

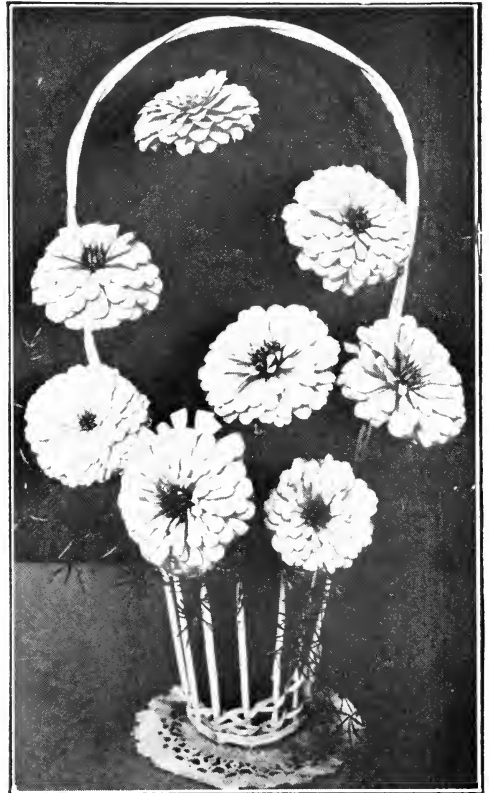
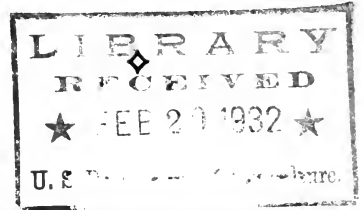
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# Arizona Seed & Floral Co.

1932



Vegetable Seed Trials

FEB 13 1932

30 N. Central Ave. Phoenix, Arizona

# How to ORDER by mail

Prices in this Catalog *Cancel all Previous Prices* and are Subject to Change Without Notice

**YOUR NAME AND ADDRESS—** Be sure that your name and address are written very plainly on each order. We frequently have orders where either name is not given or address omitted. Also give the R. F. D. number and box or street address. We acknowledge all orders above 25 cents by Post Card. If such acknowledgment is not received, or if the order does not follow at once, write us about it.

**TO OUR CUSTOMERS—** The service we render covers the same careful details in any size order when same is being prepared for shipping. We do not enjoy making errors but appreciate the fact that we can make them and will thank you to always keep a copy of your order so that you can notify us promptly of any error, which we will be always willing to rectify at once; for you are the one we want to satisfy with service in delivering our merchandise.

**CASH WITH ORDER—** The proper way is to send remittance in full to cover order and postage. Remittance should be made by Post Office Money Order or Express Money Order. For amounts up to \$1.00 clean unused Postage Stamps will be accepted. Checks on Phoenix banks may be sent, which will be a great convenience to many customers. We do not accept responsibility for orders which never reach us. Kindly remit one-third of amount of order if same is to be sent C. O. D.

**SHIPPING—** We will use our best judgment as to the best way of sending orders when specific directions are not given. On large orders it is better to have them go by express or freight if your town is on a railroad. If special directions in shipping are needed, send them explicitly, and where express or freight office is different from post office so state on our order sheet. Paris Green, London Purple and other poisons are not mailable, nor are liquids like Black Leaf 40 and other insecticides; they must go by express or freight. Seeds do not pack well with nursery stock, they may get damp and become spoiled, it is therefore better to have them shipped separately.

**POSTAL RATES** Rates of Postage on Books, Seeds, Bulbs, Plants, Roots, etc., 8 oz. or less, 1c for each 2 oz.; all over 8 oz., Parcel Post rates.  
**WEIGHT LIMIT:** First, second and third zones, 70 pounds; over third zone, 50 pounds.

1st zone Up to 50 miles from Phoenix	2nd zone 50 to 150 mi. from Phoenix	3rd zone 150 to 300 mi. from Phoenix	4th zone 300 to 600 mi. from Phoenix	5th zone 600 to 1000 mi. from Phoenix	6th zone 1000 to 1400 mi. from Phoenix
1 lb. .... 7c	1 lb. .... 7c	1 lb. .... 8c	1 lb. .... 9c	1 lb. .... 10c	1 lb. .... 11c
2 lb. .... 8c	2 lb. .... 8c	2 lb. .... 10c	2 lb. .... 13c	2 lb. .... 16c	2 lb. .... 19c
For every additional lb. or part of, add 1c.	For every additional lb. or part of, add 1c.	For every additional lb. or part of, add 2c.	For every additional lb. or part of, add 4c.	For every additional lb. or part of, add 6c.	For every additional lb. or part of, add 8c.

**SEEDS BY MAIL** On orders for vegetable and flower seeds we pay postage within the 4th zone limit, but we do not pay postage charges on Onion Sets, Field Seeds, Clovers, Grasses, Bird Seeds, Beans, Corn, Peas, Tools, Plants or Bulbs, **except** where the price reads **postpaid**. We do not ship plants (or other perishable goods) C. O. D.

**Shipments Into Mexico** Our postpaid prices do not apply to seeds which are to be mailed out of the United States. On all orders for seeds or other merchandise, which are to be mailed into Mexico, include postage to the amount of 12 cents a pound, or a fraction of a pound, in addition to the remittance covering the order.

**We Do Not Warrant Seeds** The fact that no reputable seedsman now warrants seeds in any respect being well known, renders it unnecessary for us to say very much on this point, as it must be apparent to every intelligent person that no seedsman can afford to send out poor or worthless seeds. There could be no more certain way of destroying his business. We beg to append the following notice:

The seeds offered in this Catalogue have been carefully grown, selected, cleaned and tested for germination, and we believe them to be first-class in every respect, but we cannot guarantee the crop, as too many conditions enter into it; therefore, we give no warranty, express or implied, as to description, purity, productiveness or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once, and if the money has been paid for them it will be refunded.

**Arizona Seed and Floral Company.**

**BUY THE BEST—WE DO**

# ARIZONA SEED & FLORAL COMPANY

30 North Central Avenue, PHOENIX, ARIZONA

## FLORAL DEPARTMENT

*Affiliated with the*  
**"FLORISTS TELEGRAPH DELIVERY"**

In this beautiful bower you will find flowers of almost every clime. Through our affiliations with the various flower-producing centers, we can fill practically any special requirement on reasonably short notice.

We carefully execute telegraph delivery orders to all parts of the United States and furnish our customers with all available information as to the price and quality of flowers at the points of delivery.

Mail orders are promptly and expertly filled with the same painstaking care that characterizes the standard of service maintained by this establishment in every contact.

CUT FLOWERS must of necessity vary in price according to season, demand and supply, hence the following prices are merely given to provide an approximate scale to guide you in making your selections.

Prices for special floral pieces and decorations cheerfully furnished upon request and the expert counsel of our floral staff is at all times available to assist you in achieving the most desired effects at the most reasonable cost.

ROSES, American Beauty, May to November 1st—\$1.50 to \$3.00 per dozen.

ROSES, White, Red, Pink and Yellow—\$2.00 to \$10.00 per dozen.

CARNATIONS, Lath House Grown—\$1.00 to \$2.00 per dozen.

CARNATIONS, Hot House Grown—\$1.50 to \$3.00 per dozen.

CHRYSANTHEMUMS, in season—\$2.50 to \$10.00 per dozen.

CALLA LILIES—\$2.00 to \$5.00 per dozen.

EASTER LILIES, Cut—\$5.00 to \$8.00 per doz.

SWEET PEAS—50c to \$1.00 per bunch.

VIOLETS—35c to 50c per bunch.

CORNFLOWERS—50c to 75c per bunch.

CALENDULAS—50c to 75c per bunch.

YELLOW DAISIES—50c to 75c per bunch.

SHASTA DAISIES—75c to \$1.00 per dozen.

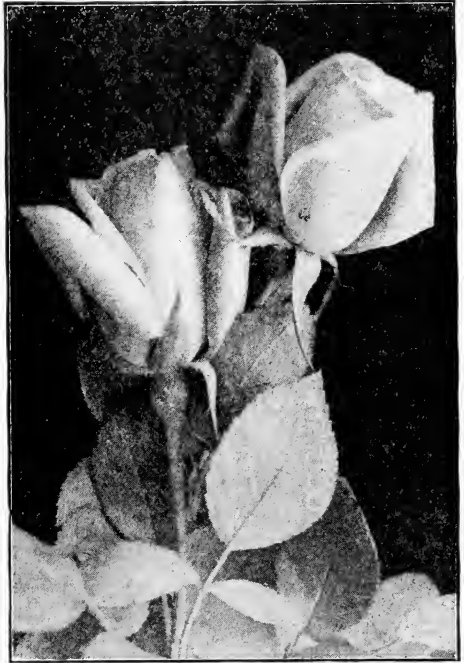
JONQUILS—75c to \$1.50 per dozen.

BOXES OF ASSORTED FLOWERS—\$1.50 to \$10.00 each.

Baskets, beautifully arranged with flowers—from \$2.50 to \$25.00 each.

Corsage Bouquets—from \$1.50 up.

During the Fall, Winter and Spring months, and especially for Christmas, we can furnish a large assortment of Blooming Plants, such as Cyclamen, Poinsettias, Lilies, etc. Also beautiful Ferns. Plants range in price, according to size, from \$2.00 to \$10.00 each.



### FLOWERS FOR COMMENCEMENT, STORE OPENINGS, ETC.

Baskets of Choice Flowers, from \$3.00 up to \$25.00.

Bouquets, artistically arranged, from \$2.00 up.

Good Luck Horse Shoes, from \$5.00 up.

All of the above we make up in individual styles.

### FOR WEDDINGS

BRIDAL BOUQUETS of Carnations or Roses, from \$3.00 up.

BRIDAL BOUQUETS of Choice Flowers such as Lilies of the Valley or Orchids, from \$8.00 up.

### FUNERAL DESIGNS AND SPRAYS

Carnations in Spray, \$3.00 and up, according to size.

ROSES in Spray, \$5.00 and up, according to size.

Anchor, Cross, Crescent, Wreath, Heart, Harp, Pillow, from \$7.50 up, according to size.

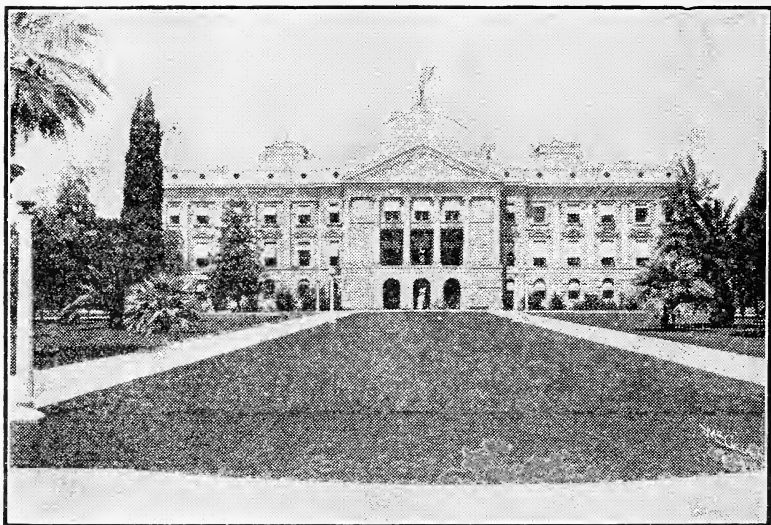
Gates Ajar, Broken Column, Broken Wheel, from \$10.00 up.

Lodge Designs, from \$7.50 up.

**BUY THE BEST—WE DO**

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## LAWN GRASS SEED

## White Clover

Strictly first-class seed, clean and pure, of the highest quality. Used for a mixture in the Fall and Winter Lawn. Plant one pound to 2000 square feet.

**WHITE CLOVER**—Lb., 75c; 10 lbs., \$7.00.

## Kentucky Blue Grass

A suitable lawn for the higher altitudes and mountain districts of the Southwest; also used in warmer sections for Winter lawns. Sow one pound to 200 square feet.

KENTUCKY BLUE GRASS—Lb., 80c.; 10 lbs., \$7.50.

## Poa Trivialis

Used for golf courses, putting greens and fairways and very satisfactory for lawns in shady places. Leaves are narrow and flat.

POA TRIVIALIS—Lb., 75c.; 10 lbs., \$7.00, postpaid.

## Australian Rye Grass

This is the most popular grass in the Southwest for a winter lawn. Plant two pounds to 10x10 feet, from September 15 throughout the Winter. Prepare a fine seed bed, sow the seed and rake in very lightly, and then spread a thin mulch of fine decomposed manure over the surface. Keep well-watered with a fine spray.

AUSTRALIAN RYE GRASS—Lb., 30c.; 10  
 lbs., \$2.00; 25 lbs., \$3.75; 100 lbs., \$12.00.

Write for quantity prices.

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## Red Top

One of the best grasses. Used on golf courses and in all good lawn mixtures. Does well in wet places and under unfavorable conditions. Is drought resistant. Also used for pasture grass in the higher altitudes. For pasture sow 15 pounds per acre.

**RED TOP**—Lb., 60c; 10 lbs., \$5.50, postpaid.

## Cocoos Bent Grass

(Agrostis Maritima)

This is also known as Seaside Bent or Oregon Bent. It is a true creeping bent, a native of our Western coastal regions and is used on the putting greens of golf courses. It is a rapid grower, heals quickly and is capable of resisting severe drought, coming quickly to life as soon as moisture is supplied.

**COCOOS BENT GRASS**—Lb., \$2.25; 10 lbs., \$20.00, postpaid.

## Bermuda Grass

Selected from our very best fields and thoroughly re-cleaned. Requires three weeks under favorable conditions to germinate. A light mulch of pulverized manure and frequent watering will greatly aid germination. Plant one pound to 500 square feet.

BERMUDA GRASS—Lb., 60c; 10 lbs., \$5.00.

## Artichoke

(Alcachofa)

**CULTURE**—Sow any time except during hottest weather, when all seed beds require special care. Soil should be a free, moist loam and seeds should be planted an inch deep. Plant out when six inches high in rows four feet apart each way. Save offshoots from best plants for new supply, as artichokes never come true from seed; some will prove inferior. When planting seedlings, reject those with spiniest leaves.

**GREEN GLOBE**—Pkt., 10c; oz., 90c; ¼ lb., \$3.00; lb., \$9.00, postpaid.

## Asparagus

(Esparrago)

**CULTURE**—Drill the seed thinly in rows fifteen inches apart during March or April. Thin out to two inches apart for strong plants.

Exercise great care in preparing a field because it will last many years.

Transplant during February, setting the roots one foot apart, in furrows four feet apart. Carefully spread out to avoid matting. The furrows should be ten or twelve inches deep and run North and South to get the sun on both sides of the rows. Cover the roots about 3 inches and as the plant grows throw the soil towards the plant. Each year, when the berries are red, cut the plants close to the ground and burn, then dust the entire field with sulphur, to destroy any germs of mildew, red spider or rust that may be there. Keep a mulch over the row with a harrow, but cultivate more deeply between the rows. Use stable manure liberally and hill up a little higher each year. Irrigate freely during the growing period. Three pounds of seed is sufficient to plant an acre.

**ROOTS**—Plant one-year-old roots and do not cut them back. When planting see that the roots are well spread out so that the soil will touch every part. If this is not done the plant cannot thrive. Beds good for 7 to 8 years.

### Palmetto Asparagus Seed

A very early maturing and prolific variety, producing an abundance of large, deep green shoots of the best quality. Pkt., 10c; oz., 20c; ¼ lb., 40c; 1 lb., \$1.00, postpaid.

### Washington Asparagus Seed

This asparagus, which has been selected by the United States Department of Agriculture, has proven to be nearly rust free. The shoots are thick and heavy. They are long and straight with closely folded tips. The color is rich dark green, tinted darker at the tips. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$3.75, postpaid.

### Palmetto Asparagus Roots

You can save from 1½ to 2 years time in getting your asparagus beds in condition by the use of our large two-year-old roots. Plant them in the spring and cut good asparagus the following spring. Per dozen, 35c; per 100, \$2.50, by mail, postpaid.

### Washington Asparagus Roots

Two-year-old roots. Per dozen, 35c; per 100, \$2.50, by mail, postpaid.

## Beans

(Frijole)

Write for quantity prices

**CULTURE**—Beans require well drained, loamy soil and frequent cultivation. Use manure sparingly as it has a tendency to run the plants to too much vine. Irrigate beans only when necessary and do not flood the vines. Cultivate before the soil has a chance to crust. For a

Spring crop plant in late February, March and early April. For Fall crop plant in August and early September. Bush Beans should be planted about three inches apart in three-foot rows at the rate of one lb. to 80 ft. of row and from 75 to 100 lbs. per acre. Plant pole beans at the rate of one lb. to 200 ft. of row or 40 lbs. to the acre. We list herein only varieties that are strictly adapted to our climatic conditions. For mildew on beans use powdered sulphur.

### Improved Golden Wax

A medium early variety and a heavy cropper. Vigorous bushy growth of good dust-resisting nature. Pods are four to five inches long, broad and flat. Golden yellow, fleshy, solid, brittle, waxy texture and have an extremely rich, buttery flavor. Excellent for home and market gardeners. About 59 days to first picking. Pkt., 10c; ¼ lb., 15c; ½ lb., 20c; lb., 35c; 10 lb., \$3.00, postpaid. By freight or express at purchaser's expense, lb., 30c; 10 lbs., \$2.50.

### Burpee's Stringless Green Pod

This famous snap bean is a prime favorite with thousands of truckers and gardeners in the South and is also largely grown for canning purposes. It is one of the finest green-pod bush Beans in existence. The pods are medium green, five to six inches long, cylindrical, larger than those of the Red Valentine, but are quite as fleshy, of equally high quality and remain crisp and tender longer. This splendid sort is extremely early and enormously productive. It is a Bean of handsome appearance that will sell readily on any market. The quality is truly superb. The pods, even when full grown, are meaty and juicy, lacking the faintest signs of any string. They are tender and brittle, of very fine texture and delicate flavor. Pkt., 10c; ¼ lb., 15c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.60; 10 lbs., \$3.00, postpaid. By freight or express at purchaser's expense, lb., 25c; 2 lbs., 50c; 5 lbs., \$1.40; 10 lbs., \$2.50.

### Giant Stringless Green Pod

An exceedingly productive and handsome Bean. The plants are large, vigorous and spreading. The pods are large, 5¼ to 6¼ inches long, nearly round, straight, medium green. A few days later than Burpee's Green Pod and makes an excellent substitute or succession for it when planted at the same time. About 66 days from planting to first picking. Pkt., 10c; ¼ lb., 15c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.60; 10 lbs., \$2.75, postpaid. By freight or express at purchaser's expense, lb., 25c; 2 lbs., 50c; 5 lbs., \$1.20; 10 lbs., \$2.25.

### Prolific Early Black Wax

An old well-known popular variety. The most striking feature of this Bean is its habit of ripening a large portion of its crop earlier than other varieties, which is of great value to market gardeners and those who depend on being first on the market. Dwarf, bushy growth, very prolific and one of the earliest. Pods, 4 to 5 inches long, usually somewhat curved, quite round, meaty, brittle and stringless, deep golden yellow of excellent flavor. About 63 days from planting to first picking. Pkt., 10c; ¼ lb., 15c; ½ lb., 20c; lb., 35c; 10 lbs., \$3.00, postpaid. By freight or express at customer's expense, lb., 25c; 10 lbs., \$2.75.

**BROAD WINDSOR OR HORSE BEAN**—Our stock of this particular bean is extra fine and long podded and quite superior to stock usually carried by seedsmen. If shelled when young and cooked for about 25 minutes in boiling water with the addition of a pinch of baking soda it makes a most delicious vegetable. It is easy to grow and is very prolific. Postpaid—Pkt., 10c; ¼ lb., 15c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.00; 50 lbs., \$17.50.

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## Pole or Running Beans

Plant three to four feet apart each way.

**KENTUCKY WONDER**—This large green pod bean should be planted as early as possible in the Spring and again the latter part of July and to August 15. The Fall crop does remarkably well if staked. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., \$3.00, postpaid.

**KENTUCKY WONDER WAX**—Very similar to the green pod. Prolific and of good quality. Plant during June and July in Southern climates. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., \$3.00, postpaid.

## Lima Beans

(Bush and Pole Varieties)

**BURPEE'S BUSH LIMA**—Large seeded and very early maturing. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 10 lbs., \$4.00, postpaid.

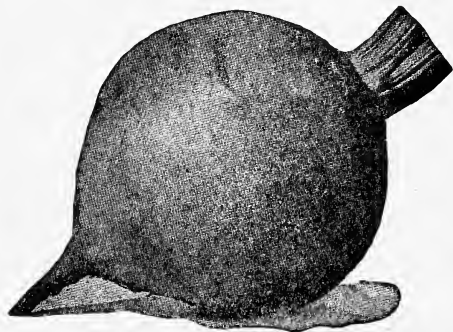
**LARGE LIMA**—A pole variety, large seeded, bearing usually three to four beans in a pod. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 10 lbs., \$4.00, postpaid.

**FORDHOOK**—The best of the Bush Limas, sometimes called Butter Beans, grows a vigorous erect bush with large pods, containing three to five beans, in clusters, making picking easy. Beans are large, very thick, white with a tinge of green and of finest quality. Our stock of this splendid variety is very superior and we highly recommend it for your garden. Pkt., 10c; ½ lb., 20c; 1 lb., 40c; 10 lbs., \$4.00.

## Beet

(Betabel-Remolacha)

**CULTURE**—In the small garden beets may be grown in rows 12 inches apart, in the field 18 to 24 inches. They may be planted from August 1 to June 1. One ounce of seed will sow 50 feet of row and six or seven pounds are required for an acre. If the soil is in perfect condition beet seed will germinate readily, but they should not be planted in wet, soggy ground in the winter time.



ECLIPSE BEET

Frequent cultivation is necessary for rapid and tender growth. While it is true beets will endure considerable drouth and neglect, growing under these conditions they become woody and ill shaped, particularly in our heavy adobe soil. Keep them well cultivated and they will produce table size beets in 65 to 70 days.

**ECLIPSE**—Not quite as early as the Egyptian. It is nearly round and has a small top. The flesh is of a bright red color, very fine grained, tender and sweet. Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 85c; 10 lbs., \$8.00, postpaid.

**CROSBY'S EGYPTIAN**—A medium sized beet, very early and of small top. It is a globe variety of deep crimson, sweet and tender. We recommend it highly for market gardeners or home garden. Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 95c; 10 lbs., \$8.00, postpaid.

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**DETROIT DARK RED**—This is an ideal Beet for all purposes. It cannot be excelled for the table; free from all fibre and very sweet. It is the best of all for pickling or canning. Even the tops are good when pickled. Postpaid, Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 95c; 5 lbs., \$3.75; 10 lbs., \$7.25.

When Beet tops are young and tender they may be cooked as spinach and are as good. The stems may be par-boiled and pickled for immediate use.

**EARLY WONDER**—This is the latest introduction in beets and is the earliest in the table varieties. It is globe-shaped, with small tap-root. Flesh is very dark red, making it one of the very best for pickling and canning. The tops are very small, of a dark red color, permitting of closer planting than some of the older varieties. It is fine flavored, tender and crisp throughout the season. A splendid early variety for the home or market garden. Postpaid, Pkt., 5c; oz., 15c; ½ lb., 50c; 1 lb., 95c; 5 lbs., \$3.75.

**EXTRA EARLY EGYPTIAN**—An early dark red flat variety, which we recommend for late Spring and Summer planting, it having been thoroughly demonstrated by Salt River Valley market gardeners that it is far superior to any other for planting at this time. Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 95c, postpaid.

**EARLY BLOOD TURNIP**—One of the early sorts; turnip shaped, dark red and of medium size. Pkt., 5c; oz., 15c; ½ lb., 30c; ½ lb., 50c; 1 lb., 85c; 10 lbs., 8.00, postpaid.

## Swiss Chard

(or Spinach Beet)

The leaves of Swiss Chard are used for greens the same as Spinach or Beet tops. Seed sown early in the Spring will produce plants quickly, from which the light-colored, thick mid-ribs of the leaves may be cut down to the ground. New growth will quickly succeed it which may in turn be gathered. If the plants are allowed to grow on, an abundance of large, curly leaves may be obtained, which make excellent greens. No garden is complete without Swiss Chard.

**GIANT LUCULLUS**—The best garden variety, produces large tender stalks with early leaves. May start cutting in 35 to 40 days. Pkt., 5c; oz., 20c; ¼ lb., 40c; ½ lb., 75c; 1 lb., 85c; 10 lbs., 8.00, postpaid.

## Stock Beets for Feeding

**CULTURE**—Stock Beet Seed should be sown about one inch deep, in well cultivated soil in drills eighteen inches to three feet apart (depending upon the method of cultivation). When the plants are sufficiently large, thin out to stand ten to twelve inches apart in the rows. The seed is generally sown at the rate of eight to ten pounds per acre. Beet Seed is very hard and does not germinate as easily as other seeds, therefore the soil should be very moist at the time the seed is planted. If the soil should be dry it is advisable to soak the seed in lukewarm water for 24 hours before planting.

**MAMMOTH LONG RED**—A very large mangel and a heavy cropper. Skin is red, flesh white, zoned with red. This is the most popular variety grown. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; 10 lbs., \$5.50.

**GOLDEN TANKARD**—A large yellow sort growing about half out of the ground. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; 10 lbs., \$5.50.

**GIANT HALF SUGAR ROSE**—We have seen specimens of this variety in the Salt River Valley weighing 45 pounds, and have heard of them weighing 70 pounds. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; 10 lbs., \$5.50.

**WHITE KLEIN WANZLEBEN**—Without a doubt the best sugar beet in cultivation. Not the largest in size, but the richest in saccharine. It will fatten hogs as quickly as grain. Pkt., 10c; oz., 10c; 1 lb., 60c; 10 lbs., \$5.50, postpaid.

By express or freight, purchaser paying charges, 5c per pound less. Write for prices in large amounts.

## Borecole or Kale

(Breton Berza)

**TALL GREEN CURLED SCOTCH**—The stalks grow 3 feet tall, with narrow leaves finely curled and beautifully fringed. A very hardy variety, yielding a tremendous crop of fine leaves. Pkt., 10c; oz., 20c; 4 ozs., 45c; ½ lb., 80c; lb., \$1.50, postpaid. Dwarf, same price.

## Broccoli

(Brocoli)

One ounce will sow a bed 40 square feet and produces about 2000 plants.

Broccoli is very late cauliflower. It is an important market crop, but is not so well known by home gardeners. The culture is easy and the heads mature at a time when garden vegetables are scarce, therefore it should command much more attention from the market and home gardener.

**CULTURE**—Seed is sown in shaded beds in July so that well matured plants may be had for transplanting during September. The plants require abundant irrigation and make most of their growth during the late fall, stand still during the coldest weather and head in the spring, earlier or later, according to variety. It is possible to secure a succession of fine white heads from January to April by using different varieties, all set in the field at the same time.

**GREEN SPROUTING BROCCOLI**—New member of Broccoli family and one of the best. Pkt., 15c; oz., \$1.50; 1 lb., \$15.00, postpaid.

**ST. VALENTINE**—Head very compact, of creamy white. Pkt., 15c; ½ oz., 75c; oz., \$2.00; ¼ lb., \$6.00; 1 lb., \$20.00, postpaid.

## Brussels Sprouts

(Berza de Bruselas)

One ounce will sow a bed 40 square feet, and produce about 2,000 plants.

**CULTURE**—A very highly esteemed member of the Cabbage family. The sprouts are miniature cabbages growing closely on the stalk of the plant, a small head being formed at each leaf joint. Plants are very hardy and live through the winter in all parts of the South. Quality and flavor much improved by frost. Sow seed in July, in shaded beds, and when plants are 4 to 6 inches high transplant to open ground and cultivate as for cabbage.

**PARIS MARKET**—A half dwarf bearing a handsome crop of round hard sprouts of the finest quality. Pkt., 10c; oz., 30c; ¼ lb., 90c; 1 lb., \$2.75, postpaid.

## Cabbage

(Col Repollo)

**CULTURE**—The secret of growing hardy plants is to thoroughly prepare the soil in the plant bed. Plow the soil to a depth of eight or ten inches, pulverize well. Sow in drills not too freely, about one-half inch deep, press the soil firmly over the seed; this is important. In about six weeks transplant in rows three feet apart, one foot in the row for Winnigstadt, 18 inches for large-heading varieties. Keep the crop well watered and cultivated, for when the growth is checked the seed head matures and bursts forth as soon as moisture is again applied. This accounts for much cabbage going to seed. Early varieties mature about three and one-half months after transplanting; late varieties in about five months.

**GOLDEN ACRE**—This very valuable new introduction is similar to Copenhagen Market, but several days earlier and smaller. As the name indicates it is a very profitable sort to grow. The size is just right and the earliness and uniform heading tendency make it one every market grower and home gardener should plant for first early. Pkt., 10c; oz., 60c; ¼ lb., \$2.00; lb., \$6.00, postpaid.

**EARLY JERSEY WAKEFIELD**—Very early, maturing in 90 days. Small head, inclined to point like the Winnigstadt. Recommended for home garden where earliness is desired. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00, postpaid.

**FOR CABBAGE WORMS**—We do not hesitate to recommend Paris Green to be used up to two weeks before marketing the Cabbage, because the spray only reaches the outer leaves that are not eaten, and because within two weeks the elements neutralize the poison.

**LATE FLAT DUTCH**—Head round, solid, broad and flat on top. A good keeper, fine for fall planting. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00, postpaid.

**FOR APHIS**—Apply Nico Dust or Blackleaf 40 Liquid Spray.

**EARLY DWARF FLAT DUTCH**—An excellent second early variety, producing large, solid, round heads, flattened on top, tender and fine grained. Highly valued for its quality and ability to resist heat. Pkt., 10c; oz., 30c; ¼ lb., 90c; ½ lb., \$1.50; lb., \$2.75; 5 lbs., \$12.00.

**COPENHAGEN MARKET**—A new early variety, producing large, round heads very early in the season, about as early as Jersey Wakefield. It is short stemmed, producing heads almost on the ground; leaves light green, medium size, and always tightly folded over the head. We can recommend Copenhagen Market as one of the best early varieties for medium to light soils, but on rich, heavy soils it grows so large that shippers will not buy it when smaller, more compact stock is obtainable. Pkt., 10c; oz., 55c; ¼ lb., \$1.75; lb., \$4.50, postpaid.

**EARLY WINNIGSTADT**—This is one of the most popular varieties with market gardeners and growers for the early shipping trade. There is no early variety that heads with greater certainty, more solid or stands shipping better than Early Winnigstadt. Our Winnigstadt seed is grown under contract for us in Denmark. We cannot recommend it too highly, and urge growers to grow it more largely. Pkt., 10c; lb., \$2.75; 5 lbs., \$12.00, postpaid.

**EARLY ALL-HEAD**—This is an excellent sort, producing a good, solid head weighing six to eight pounds from practically every plant, under fair conditions. It is among the earliest sorts and is a very profitable sort to grow. The outer leaves are few and close planting can be made, as close as 18 inches in the rows and rows two feet apart. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00; 5 lbs., \$13.00, postpaid.

**DANISH BALL HEAD or HOLLANDER**—A handsome, hardy, late cabbage, making medium sized, very hard heads. A splendid cabbage to plant for late maturity. The irregular character of growth of the plant does not seem to affect its valuable, hard heading qualities. Particularly desirable for home keeping and distant shipping with its keeping qualities. Plants vigorous and compact with few large, thick, long upright leaves. Stems are of medium length. Pkt., 10c; oz., 45c; ¼ lb., \$1.50; 1 lb., \$4.50, postpaid.

## Red Cabbage

**MAMMOTH RED ROCK**—By far the best, largest and hardest red cabbage ever introduced. The plant is large, with numerous spreading leaves and the head large, very solid, deep red inside as well as out. Pkt., 10c; oz., 35c; ¼ lb., \$1.20; 1 lb., \$3.50, postpaid.

## Chinese or Celery Cabbage

CHINESE CABBAGE

**PE TSAI**—A fine strain of Chinese Cabbage that has become very popular in the last few years. The leaves are large, light green and waved at the edge. The rib is broad and white and is of distinctive flavor. Can be used as a salad like lettuce or cooked like asparagus and cabbage. Pkt., 10c; oz., 40c; ¼ lb., \$1.50; 1 lb., \$4.50, postpaid.

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## Cauliflower

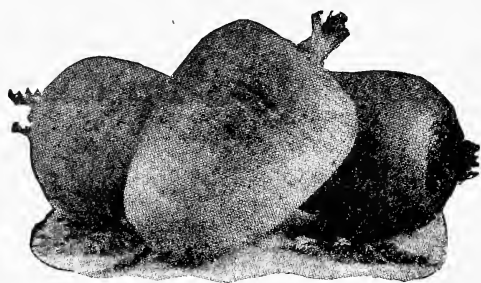
(Coliflor)

Especially popular as a winter crop and with market gardeners proves a profitable crop, owing to the scarcity of good market vegetables when Cauliflower is at its best. It is easy to grow in the garden, providing the soil is made rich and porous. Plant seed the latter part of July and during August and September in Southern Arizona. In the higher altitudes plant the same as cabbage. Set in rows, 24 inches apart and 14 inches apart in the row.

**EARLY EXPRESS SNOWBALL**—This variety is the standard by which all others are judged. It makes the smoothest and most solid head, snow-white in color, with leaves overlapping the flower. There are many strains of this variety and at varying prices. Ours is an imported stock from Denmark that we have found best suited to Arizona conditions. Pkt., 25c; ¼ oz., 90c; oz., \$3.00; ¼ lb., \$9.00; ½ lb., \$17.00; 1 lb., \$30.00, postpaid.

## Carrot

(Zanahoria)



OX HEART CARROT

The Carrot is one of the most wholesome and nutritious of our garden roots and it may be prepared in many appetizing ways. There is probably no root crop that will produce as much food on the same amount of land as the Carrot. In Southern valleys they may be left in the ground all Winter. Our Cactus Brand Carrot seeds are great producers under arid conditions. Plant plenty of them.

**CULTURE**—The Carrot is very easily grown, being perfectly hardy in all temperatures which come to Southern Arizona. Sow in drills 15 to 18 inches apart, covering the seed one-half inch deep. Keep clean by frequent hoeing and weeding. If neglected, the young plants are easily smothered.

**DANVERS HALF LONG**—The best for general crop, will yield the most per acre. Most profitable for market gardeners. This variety originated in Massachusetts, where the raising of Carrots is made a special business. On account of its productiveness and adaptability to all classes of soils it is now the most popular Carrot grown. Tops are medium size, roots deep orange, large but of medium length, tapering uniformly to a blunt point. Smooth and handsome flesh, sweet, crisp and tender. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., 90c, postpaid.

**OX HEART**—Beautiful shape and color. The roots generally attain four or five inches in length. Very tender and sweet. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., 90c, postpaid.

**IMPROVED LON GORANGE**—The roots grow uniform and smooth, of large size and deep rich orange color. A good keeper, of fine quality for table use and excellent for stock. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., 90c, postpaid.

**BUY THE BEST—WE DO**

**WHITE BELGIAN**—Purely a stock variety, growing to enormous size; flesh and skin white and very sweet; a yield of 15 to 20 tons to the acre is not unusual. The crop is easily gathered and makes a splendid food for rabbits, cattle, horses and hogs. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., 85c, postpaid.

**IMPROVED CHANTENAY**—Flesh a deep golden orange, roots smooth and very symmetrical. In size it ranks as intermediate between the Danvers and Ox Heart. It is very early and always produces smooth, shapely roots. Its fine appearance finds for it a ready market. Its splendid table qualities keep it in demand. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., 90c, postpaid.

## Celeriac

(or Turnip Rooted Celery)

**LARGE, SMOOTH PRAGUE**—A large celery root used for flavoring soups. Pkt., 10c; oz., 35c; ¼ lb., \$1.20; 1 lb., \$3.50, postpaid.

## Celery

(Apio)

(1 oz. to 3,000 plants or 200 feet of drill)

Sow the seed from June 1st to Sept. 1st, in drills 6 inches apart, not too thick in the row to secure stalky plants. When the plants are strong, transplant to furrows four feet apart and 6 inches deep. Set the plants 6 inches apart in the furrows. As the plant grows, fill the earth toward the plant to secure proper bleaching. Never allow dirt to rest in the heart of the plant. Never work in Celery when it is wet with rain.

**GOLDEN SELF-BLEACHING**—Is a vigorous grower and early, easy to cultivate and in every way a desirable variety. The very handsome color of the crisp, heavy stalks, their freedom from stringiness and excellent flavor make it a market favorite. Pkt., 10c; oz., 80c; ¼ lb., \$2.65; 1 lb., \$6.00, postpaid.

**GIANT PASCAL**—Grown to some extent in the Salt River Valley, more particularly for the home market, for it is considered too crisp for shipping. The stalks are large, thick, solid and very brittle. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; 1 lb., \$3.00, postpaid.

## Collards

(Col)

An old time vegetable used for greens and green chicken feed. In Southern Arizona may be planted in Spring or Fall.

**TRUE GEORGIA**—Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00, postpaid.

## Cress or Pepper Grass

Sow thickly in shallow drills during February, March, September and October. Used for salads and for garnishing.

**WATER CRESS**—Sow the seed in cool, moist soil or near shallow running water. Pkt., 10c; oz., 60c; ¼ lb., \$2.00, postpaid.

## Brussels Sprouts

(Berza de Bruselas)

Seed should be sown the latter part of July in a shaded bed and transplanted, when large enough, to rows three feet apart and 18 inches apart in the row. If lice appear spray with a solution of Black Leaf 40 and fish oil soap.

**TRUE IMPORTED**—Produces on the stem compact sprouts resembling miniature cabbages. A delicious vegetable. Pkt., 10c; oz., 30c; ¼ lb., 90c; 1 lb., \$3.00, postpaid.

## Sweet Corn

(Maiz Dulce)

Write for quantity prices

### EARLY ADAMS

**CULTURE**—Sweet Corn should be planted in the Spring, when all danger of frost is over and when the ground is warm enough to prevent the seed from decaying. Yellow Dent, Sacaton June and Hickory King may be planted in July as well, and Sweet Corn in August and early September. One pound of seed will plant about 200 feet of row and about 10 pounds is required for one acre.

All varieties listed here are successfully grown in Arizona. For larger quantities than found listed, write for special prices. For Corn Worm, we recommend dusting with Arsenate of Lead.

**ADAMS EXTRA EARLY**—Not a sugar corn, but one that is planted extensively by market gardeners. We have reports of it having reached the marketing stage in 52 days. Pkt., 10c; lb., 35c; 10 lbs., \$2.50, postpaid.

**COUNTRY GENTLEMAN**—An old standard variety of very fine quality. Kernels are deep and ear is somewhat smaller than most sweet corns. Matures in about ten weeks. Plant in March and July. Pkt., 10c; lb., 35c; 10 lbs., \$2.50, postpaid.

**OREGON EVERGREEN**—The most popular and best main crop variety of the Sugar Corns. Of good strong growth, about six feet high. Ears keen in good condition for boiling a remarkably long time. Oregon Evergreen is a very early variety of excellent flavor and large size. Valuable as a fodder corn on account of its succulent stalks. Pkt., 10c; lb., 35c; 10 lbs., \$2.50, postpaid.

**PAPAGO**—This variety is the early Sweet Corn which can be counted on for a sure crop in a dry, hot climate. The ears are well filled and of excellent flavor, making it unexcelled for a table corn. Each kernel of seed will produce from six to eight stalks, which grow to a height of from 7 to 8 feet, and each stalk will produce one or two ears. As Papago is a native of Arizona, it readily withstands drought and makes a crop where other varieties would fail absolutely. It is extremely hardy and well able to withstand the attacks of all insects. 1 lb., 35c; 10 lbs., \$3.00, postpaid.

**STOWELL'S EVERGREEN**—The standard sort of main crop everywhere. Ears large, deep grained, exceptionally tender and sugary; remains tender and eatable longer than any other variety. A general favorite with canners and market gardeners for late use. Pkt., 10c; lb., 25c; 10 lbs., \$2.00, postpaid.

**IMPROVED GOLDEN BANTAM**—An extra early sort of exceptionally fine flavor. Once tried always grown. For Southern Arizona, plant in March and August. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 10 lbs., \$2.50, postpaid.

## Mexican June (Cactus Brand) June Corn

Developed Especially for Ensilage and  
Roasting Ears

Our new strain developed corn with sixteen rows to the ear, two ears per stalk, and the stalks average from 12 to 16 feet in height. Twenty to thirty tons of silage can be produced per acre from this superior strain of seed. Plant 12 to 20 lbs., per acre for silage, as thickness in planting, while retarding ear development, will give increased tonnage. For a corn crop, plant 8 to 10 lbs. per acre. Pkt., 10c; lb., 25c; 10 lbs., \$1.50. Write for prices on larger quantities.

## Field Corn

**HICKORY KING**—Is a distinct variety which has come very much into favor for either dry land or irrigating. Has an extremely wide grain and long cob. The ears are from 8 to 10 inches in length and are generally borne two to four ears per stalk, making it very productive. It makes excellent roasting ears and is often used in place of sugar corn. Grows to a height of 7 to 9 feet and is in every way highly desirable. Lb., 25c; 10 lbs., \$1.50, postpaid. Write for prices on larger quantities.

**YELLOW DENT**—The best yellow corn for this section. Excellent for roasting ears in 85 days. Lb., 25c; 10 lbs., \$1.50, postpaid. Write for prices on larger quantities.

## Pop Corn

**WHITE RICE**—Most popular variety, very prolific. Ears short; kernels long, resembling rice in shape and color. Pkt., 10c; lb., 30c; 10 lbs., \$2.00, postpaid.

## Cucumber (Pepino)

Use Semesan Powder on your cucumber seed to increase and prevent leaf blight. Hot Kaps are excellent protectors from late frosts. Have them ready for your cucumbers.

**CULTURE**—Cucumbers should be grown in hills four feet apart each way, eight to ten seeds in a hill, covered as lightly as can be trusted to retain the moisture until the plants take hold. Plant in August and early September for Fall crop. They require an abundance of water and frequent cultivation to obtain best results. When danger of insects is past, thin plants to three or four in a hill. If planting is done after the soil has become warm, they will be ready for the table in six weeks after planting. One ounce of seed will plant 50 hills and two lbs. an acre.

**KLONDIKE**—A splendid variety for pickling as well as for the market. Pkt., 10c; oz., 20c; 1/4 lb., 60c; lb., \$1.50, postpaid.

**IMPROVED LONG GREEN**—Dark green, growing 10 to 12 inches long. An old favorite. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50, postpaid.

**BOSTON PICKLING**—One of the best pickling varieties, being of medium size and dark green. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50, postpaid.

**ARIZONA DAVIS PERFECT**—For market gardeners this is the ideal cucumber, because of its wonderful uniformity, it being long, slender and tapering to the same shape at both ends. They pack well in crates or boxes and present a beautiful appearance. Pkt., 10c; oz., 20c; 1/4 lb., 60c; 1 lb., \$1.50, postpaid.

**EARLY FORTUNE**—The finest type of the White Spine yet produced. Early, very productive and disease resisting. Fruits 8 to 9 inches long, slightly tapering. Flesh white, very firm and crisp, with but few seeds. Color rich dark green which does not fade when shipped long distance. Pkt., 10c; oz., 20c; 1/4 lb., 60c; 1/2 lb., 75c; 1 lb., \$1.50; 5 lbs., \$6.00, postpaid.

**EARLY WHITE SPINE**—Suitable for slicing. Very uniform, solid and crisp. Vines are of vigorous growth. Pkt., 10c; oz., 20c; 1/4 lb., 60c; 1 lb., \$1.50, postpaid.

**LEMON**—As its name indicates, it is somewhat similar in shape to a lemon. The flesh is tender and crisp. They are excellent for pickling, either green or ripe. For slicing they should be used just as the fruit is turning yellow. Pkt., 10c; oz., 25c; 1/4 lb., 85c; 1 lb., \$2.50, postpaid.

**JAPANESE CLIMBING**—While all cucumbers are running vines, this one is much more so. It is a distinct variety, readily climbing on poles or trellises. A pickling variety. Quality is splendid. Pkt., 10c; oz., 20c; 1/4 lb., 50c; 1 lb., \$1.75, postpaid.

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## Endive

(Escarola o Endivia)

Sow any time except during the extreme heat in Summer. When plants are three or four inches high, transplant to rows 18 inches apart. After plants are well grown, gather up leaves and tie at tips into a loose bunch to bleach the inner leaves. This vegetable is highly esteemed as a salad, and grows to perfection here. One ounce of seed will sow 150 feet.

**GREEN CURLED**—Leaves are finely cut or lacinated, giving the plants a rich, mossy appearance which is greatly enhanced when the centers are nicely bleached. This is the variety generally preferred because it bleaches to a beautiful golden yellow. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00, postpaid.

## Egg Plant

(Berengena)

This popular vegetable is indeed at home in Southern Arizona, 40 to 50 pounds of perfect specimens having been produced on a single plant. Since the seed is slow to germinate, great care must be taken in preparing the bed. Sow in hot beds or boxes and transplant when danger of frost is past. Plant two feet apart in 4-ft. rows. It is important to secure a rapid and continuous growth, therefore frequent watering and cultivation is necessary. Our acclimated seed is the best to be had. One ounce of seed will produce about 1000 plants.

**NEW YORK IMPROVED**—This variety has superseded all others, both for market and home use. Pkt., 10c; oz., 75c; ¼ lb., \$2.50; lb., \$6.50, postpaid.

**BLACK BEAUTY**—A handsome extra early large variety. Pkt., 10c; oz., 75c; ¼ lb., \$2.50; lb., \$6.50, postpaid.

## Garlic Sets

Garlic has become a very profitable crop in the Salt River Valley. The demand is always good and prices are high. It should be planted in climates similar to Salt River Valley during October and November. In the higher altitudes during the Spring season. In planting, separate the little bulbets and plant the same as onion sets. One pound will plant 50 feet of row. Lb., 35c, postpaid. Ask for quantity prices.

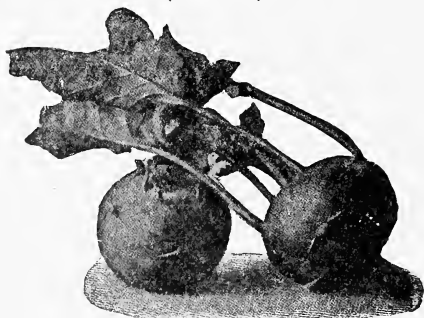
## Gourd

**CULTURE**—Gourds are tender annuals of trailing or climbing habit. The seed should not be planted until the ground is warm. Plant in hills and cultivate as cucumbers. Leave only two plants to a hill and allow the vines to ramble or trail over a trellis for shading windows.

**MIXED VARIETIES**—Pkt., 10c.

## Kohlrabi

(Colinabo)



KOHLRABI

**CULTURE**—This vegetable is a cross between a cabbage and a turnip. The edible portion is

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the large bulb which forms on the stem above the soil. We advise successive sowing in order to obtain tender bulbs, which have a mild, delicate, cabbage-like flavor. It is a hardy plant and seed may be sown practically all the year around, with the exception of the hottest months. Plant it like turnips and thin to six inches apart in row. One ounce of seed will produce 2000 plants.

**EARLY WHITE VIENNA**—Early and tender, having a flavor all its own. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00, postpaid.

**EARLY PURPLE VIENNA**—Similar to the White Vienna, except in color. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.75, postpaid.

## Aromatic and Medicinal Herb Seeds

**ANISE**—Used as a cordial and for garnishing and flavoring. Seeds have an agreeable aromatic taste. Pkt., 10c; oz., 35c.

**BASIL, SWEET**—The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 10c; oz., 50c.

**BORAGE**—The leaves are used for flavoring and the flowers furnish bee pasture. Pkt., 10c; oz., 50c.

**CARAWAY**—Grown for the seeds, which are used extensively for flavoring bread, pastry, etc. Pkt., 10c; oz., 25c.

**CATNIP or CATMINT**—The leaves are used for seasoning. It also makes an excellent bee pasture. Pkt., 10c.

**CHERVIL**—Used in soups and salads. Pkt., 10c; oz., 15c.

**CORIANDER**—The seeds are used in the manufacture of confectionery. Pkt., 10c; oz., 25c.

**DILL**—The seeds have an aromatic odor and warm, pungent taste. They are used as a condiment and also for pickling cucumbers. Pkt., 10c; oz., 25c.

**FENNEL, Sweet**—The boiled leaves are used in sauces. Pkt., 10c; oz., 30c.

**MARJORAM, Sweet**—The leaves and the ends of the shoots are esteemed for seasoning in Summer and are also dried for Winter use. Pkt., 10c; oz., 75c.

**ROSEMARY**—The aromatic leaves are used for seasoning. Pkt., 10c; oz., \$1.00.

**SAFFRON**—Used for flavoring. Pkt., 10c.

**SAGE**—The most extensively used of all herbs as a seasoning for dressing. Pkt., 10c; oz., 75c.

**SUMMER SAVORY**—A hardy annual. The dried stems, leaves and flowers are extensively used for flavoring—particularly in dressings and soups. Pkt., 10c; oz., 75c.

## Leek

(Puerro)

**CULTURE**—Leek is a very hardy plant with a sweet, onion-like flavor. It resembles the young onion growth in the Spring as it does not bulb. The neck or stems are blanched by drawing the earth up about them as the plant grows in size or they can be transplanted to trenches and the trench gradually filled as the plant grows. They should be planted in drills or rows 16 to 20 inches apart and the plants 10 to 12 inches apart. Plant seed in seed bed, broadcast or in drills, covered to depth of one-half inch, and when they are about as thick as a good-sized goose quill they should be transplanted.

**LARGE LONDON**—A large and strong plant. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00, postpaid.

## Lettuce

### (Lechuga)

**CULTURE**—Lettuce is very exacting as to soil requirements. It is best suited to a rich, light loam, and should never be planted on soils of poor quality. Irrigation is necessary throughout the entire growing period, except during the rainy season, but the crop is easily ruined by an excess of water. The crop stands cold better than heat.

Medium soil preferred, but do not use alkali, or light sandy soil. High, flat ridges about 3½ feet from center to center, with tops smoothed to about 16 inches, plant double row as near to the edge as possible. Use 1½ pounds of seed to the acre. Soil should never be allowed to dry out after planting. Thinning and weeding should be done about one month after planting, thin to 12 inches. Cultivate after each irrigation. Seed sown in September should be ready for market about December 15th.

New York Special, flat head type, is the only variety we recommend. The usual yield is about 300 crates to the acre.

The cost of seed is the smallest item in producing a crop. Quality of seed is the most important.

## Leaf Lettuce

**DENVER MARKET**—For the family garden plant this variety broadcast on ridges, allowing it to grow thick. Tender bunches may be cut in a few weeks after planting and it will continue to grow together, as thinned for table use. Very fine, crisp and early. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid.

**ICEBERG**—A splendid Head Lettuce. For Spring planting—compact, tender, crisp, creamy white heads. Grows a solid head in midsummer and is highly praised by all users. Grow this large, crisp, tender and sweet Summer heading lettuce when other varieties will not head. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75, postpaid.

**EARLY CURLED SIMPSON**—A very popular variety of loose leaf lettuce. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.40, postpaid.

**PRIZEHEAD**—One of the very best loose bunching or non-heading varieties. Leaves brown, very early and of remarkably fine flavor. Grows quickly and all except the outer row of leaves are very brittle. It is probably the most easily grown lettuce in cultivation. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.40, postpaid.

**HEAD LETTUCE—NEW YORK IMPERIAL No. 2 and No. 6**—A blight resistant Lettuce. Excellent for cold weather conditions. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., \$2.50; 10 lbs., \$22.50.

**NUMBER 12, NEW YORK**—A type of early maturing Lettuce. Matures about 10 days earlier than the regular New York and cuts evenly. This should be planted for early Fall and Spring crops. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00.

## Head Lettuce

### Arizona Wonderful Lettuce

A large, crisp, tight heading Lettuce which is a great favorite wherever grown. We have had no end of praise from our friends who have tried this variety. The quality is the finest, and the heads grow to enormous size, weighing on an average of two pounds. It stands shipping well, having heavy outer leaves to protect the head when packed. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

**NEW YORK SPECIAL**—Hardy, uniform heads, wavy light green outer leaves with the center bleached pure white. Crisp, tender and with a flavor that never fails to please. In

planting New York Market Lettuce, be sure to thin out to ten inches between plants, as it does not head well if allowed to grow thick. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00, postpaid.

**WHITE PARIS COS**—The best variety of the Cos Lettuce. Forms a large, light green plant with the head well folded and quite solid. Cos Lettuce is also called Romaine, and while it is little known here it is highly prized in Europe, and should be planted more extensively here. It is brittle, milky and very sweet, having a flavor not found in any other Lettuce. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75, postpaid.

## Muskmelons

(Melone)

### or Cantaloupe

**CULTURE**—Muskmelons must not under ordinary gardening conditions be planted until all danger of frost is past. Warm ground is essential to the germination of the seed, for if planted too early in the Spring it will rot. It is highly important that your soil should be in proper planting condition. First, it must be thoroughly soaked or irrigated. Second, as quickly as the moisture has thoroughly penetrated and the soil is in a tillable or working condition, spade or plow the ground and see that it is thoroughly pulverized. Third, prepare furrows 6 to 8 inches in depth and 5 to 7 feet apart, according to space you can spare. Fourth, plant the seed in the furrows about 6 feet apart, covering the seed not more than one inch deep and as the plant grows, gradually fill up the furrow about it with soil until level with surface. Continuous cultivation is now necessary and where soil conditions require, systematic irrigation should be followed. Do not, however, irrigate close to the plant as it will cause damping off, and other diseases. The roots of the plant being as long as the vine, close up irrigation is not necessary and in cultivating see that these roots are not disturbed as it would ruin the plant. Practice frequent shallow cultivation. Plant 8 seeds to the hill and when thoroughly established pull out all but three. One and one-half to two pounds of seed is used to an acre.

When Hot Kaps or paper covers are used, planting in the Salt River Valley usually starts in early February or March. If covers are not used, plant after all danger of frost is over.

**FOR THE CUT WORM**—Mix Paris Green with bran and sprinkle a circle around the plants; or use Arizona Seed & Floral Co.'s Special Mixture.

**FOR APHIS**—First keep the vines hardy by deep planting and proper cultivation, irrigation and fertilizers. Then if the aphid appears, which is unlikely, spray with Black Leaf 40 and Fish Oil Soap; for dusting, use Nicotine Dust. Either way is a constant fight.

**FOR MELON BLIGHT**—That is caused by a fungus at the root, spray the hill freely with Bordeaux so that the liquid will follow the stems several inches beneath the surface. This should be done as a precaution rather than as a remedy.

**EDWARDS PERFECTO - SALMON TINT**—Developed from Eden Gem and the best of the Rocky Ford class. Fruit very uniform in size, nearly round and densely covered with a hard gray netting; flesh very thick and of a beautiful salmon tint, shading into green as it nears the rind. The Perfecto melons have the deepest flesh, smallest seed cells and deeper colored flesh than any other type of Rocky Ford shipping melons. Recommended for their hardness, prolificness, rust resistance, deep flesh and excellent eating and shipping qualities. Pkt., 10c; oz., 20c; ¼ lb., 70c; 1 lb., \$2.00; 10 lbs., \$15.00, postpaid.

**BUY THE BEST—WE DO**

**NEW PERFECTED PERFECTO**—Acknowledged to be the finest cantaloupe yet developed. This melon runs large and very uniform in size and has a fairly coarse, heavy net. The seed cavity very small; the rich, dark orange colored flesh extends to the rind. The flesh is fine grained, melting and of excellent flavor. The keeping and shipping qualities are unsurpassed. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75; 10 lbs., \$17.00.

**PERSIAN MELON**—Yellow flesh, heavily netted but of smooth rind. Very sweet and of distinctive flavor. Splendid keeper. Average weight about seven pounds each; many much larger. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00, postpaid.

**IMPROVED EDEN GEM**—Without doubt this is the best general purpose melon on the market today. It is uniform, well netted and a fine melon for market or home use. Several carloads of them are shipped from this valley each season and they command a good price. They produce wonderfully and ship well. The meat is green, with a slight salmon tint in the seed cavity. Our seeds are from first cut select melons only and will produce the finest melons you ever had in your garden. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid.

**"HEARTS OF GOLD" OR IMPROVED HODDOO**—This splendid melon has been grown commercially in the Salt River Valley for the past few years with marked success as a shipping melon as well as for local consumption.

The vines are hardy, strong, vigorous growers and rarely affected by rust. It is very early and prolific; has been known to mature in 70 days from planting.

The melons run from oval to oblong in shape, very uniform in size, averaging a little larger than the Rocky Ford varieties. While it is a ribbed melon, the ribs are not prominent and very heavily netted. The flesh is a rich orange color, fine grained and of excellent flavor. The seed cavity is very small. The melon does not turn yellow when ripe but retains its natural green color and remains solid and firm for days after it is picked from the vine. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00, postpaid.

**HALE'S BEST**—The Hale's Best Cantaloupe is large, running about nine to the Jumbo flat crate. Well netted, oblong, very solid; the flesh is deep, salmon colored, fine grained and of good quality. Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., \$1.75, postpaid.

**HONEY BALL**—A new cross from Honey Dew and Cantaloupe. Similar to Honey Dew but quite well netted with a strong Pomegranate flavor and scent. We strongly recommend it for home use. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

**IMPROVED SALMON TINT NO. 10-25**—This is an early melon of the solid netted type that is so desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon tint, shading to green near the rind. A splendid keeper that stands shipping and always arrives in the best possible condition. It has been successful in the East, in the West, and in the South. It is a prolific yielder and has been pronounced by every one who has used it as the ultimate in salmon-fleshed melons. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50, postpaid.

**DELICIOUS GOLD-LINED ROCKY FORD**—The shape is ideal, being slightly oval, and it is heavily netted over the entire surface. The flesh of the entire melon is noticeably thick, fine grained and sweet. The color is green with a gold margin next to the seed cavity. Attractive both as to outward appearance and when cut. Pkt., 10c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.00, postpaid.

**ROCKY FORD**—Thoroughbred. Rust resistant. The shape is slightly oval, skin a rich, greenish gold when fully ripe and the flesh a

light green. We can recommend it highly for home or local market. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.25, postpaid.

**PINK MEAT OR IMPROVED BURRELL GEM**—The Jumbo Pink Meat or Improved Burrell Gem is a decided improvement over the old type. It has become well known and takes its place as a standard variety in the Salt River Valley. Its shape is oblong and tapering to ends, averaging 7 to 9 inches in length, producing a large percent of jumbo crates, which always sell at a premium. The flesh is a golden pink color, very deep and shows a comparatively small seed cavity. It has proven one of our heaviest yielders and a most excellent shipper. The flavor is sweet and spicy, distinctive of this particular variety. The rind is almost entirely covered with a heavy solid net the blossom end being well protected. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50, postpaid.

**EMERALD GEM**—A salmon-tinted variety of remarkable fine flavor and fine quality. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.25, postpaid.

**EXTRA EARLY HACKENSACK**—The melons are of good size, weighing from five to ten pounds each. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid.

**TIP TOP**—Green fleshed, oval with flattened ends. The seed cavity is small and the flesh firm. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75, postpaid.

**BANANA**—This curious melon looks and smells like a banana. The flesh is deep and of an exquisite flavor, being highly scented. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50; 5 lbs., \$4.50, postpaid.

## Casaba Melons

### Plant More Casabas

Cultivate the same as muskmelons, and plant, according to your locality, from February 15 until July 15; for late shipping, June 1 to August 1 seems to be the best time for planting.

**YELLOW OR GOLDEN FLESHED HONEY DEW**—When the Honey Dew melon was introduced it immediately became popular. Do not hesitate to plant it if for the home garden or for shipping. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75, postpaid.

**GREEN FLESHED HONEY DEW**—This melon has won its way into favor wholly because of its excellent flavor and good keeping qualities. It is enormously prolific. It is ready to pull when the green luster has changed toward a creamy yellow. It is not ready to be eaten until like the Casaba, you can make an impression with the thumb as in a mellow apple. The average size is about as large as a coconut, but the smaller sized melons are not inferior in flavor. Every melon is a good one. Flesh is light green and sweet as honey. The rind is light or silvery gray in color, smooth as an egg and hard as the rind of a winter squash. It is, therefore, a good shipper. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75; 10 lbs., \$10.00, postpaid.

**GOLDEN BEAUTY**—Grows from six to eight inches in diameter, nearly round, color a perfect golden yellow and rind very hard. This is perhaps the best flavored variety of casaba. Pkt., 10c; oz., 20c; ¼ lb., 70c; lb., \$2.00, postpaid.

**WINTER PINEAPPLE**—The true Winter sort. Large green fleshed melon, having a corrugated skin and a decided pineapple flavor. Pick after the melon has lost its green lustre, and store in a cool, dry place until thoroughly ripe. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid.

**IMPROVED HYBRID**—Smooth rind, white flesh and of fine flavor. Excellent for local market or shipping. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50, postpaid.

**BUY THE BEST—WE DO**

## Watermelons

(Sandia)

**CULTURE**—Plant the seed in a furrow, dropping six seeds every eight or ten feet apart; cover about two inches. As the vines grow, hill the earth about them until the roots are 10 to 12 inches deep. When the vines are safely established, thin out, leaving only two vines to the hill. It is a good plan to establish your rows by throwing the soil toward the center, with one round of plowing, and cultivate every week during the early growth of the plants.

Use one ounce of seed for the average garden. One ounce will plant 20 to 30 hills. Three pounds is required to the acre.

For melon Aphus use Nicotine Dust or Black Leaf 40 with Fish Oil soap.

Hot Kaps are excellent protectors for late frosts. Have them ready for your melons.

**KLONDIKE**—This is now, indisputably, the most popular melon on the market. It is popular with the grower because it is wonderfully adapted to dry farming, very prolific, early, long and continuous bearing. The seed is small, one pound of Klondike will number as many as two pounds of other varieties. The color of the seed is brown, mottled black. The flesh is bright red, tender and deliciously sweet. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00; 5 lbs., \$3.75; 10 lbs., \$17.50, postpaid.

## Our Cactus Brand Kreckley's Sweet

GOOD PRODUCER—GOOD FLAVOR—GOOD SHIPPER

The Cactus Brand Kreckley's Sweet has given wonderful results and each year we find the sale increasing. It is an excellent shipper, ripens early and the flavor is fine.

By careful selection we have produced a uniform size, medium rind and a bright red flesh. For local market or for shipping you will find Cactus Brand Kreckley's Sweet a winner. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.00; 10 lbs., \$9.50, postpaid.

WRITE FOR OUR ATTRACTIVE QUANTITY PRICES

**WHITE SEED CHILIAN**—By far the most popular melon for home garden, it being small and of very fine flavor. Flesh a rich, deep red, ripening to a very thin rind. It is almost round in shape, having a rind of dark green slightly striped. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., \$1.00, postpaid.

**BLACK SEEDED CHILIAN**—Has all the admirable qualities of the white seed melon. Grows a little smaller, has a very thin rind of rich green color, and if anything is a little more sugary. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., \$1.00, postpaid.

**ALABAMA SWEET**—The best melon grown for shipping. Oblong, very sweet, dark green, faintly striped, entirely stringless; very prolific. We cannot recommend this melon too highly. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., \$1.00, postpaid.

**"IRISH GREY"**—Vines very vigorous, healthy and hold up and produce fine melons late into summer when other sorts die out. Plant "Irish Grey" for home or market use and you will be delighted. It's as satisfactory a melon as there is grown. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50, postpaid.

**GRAY MONARCH**—Fruits uniformly long and large, oblong in shape. Color light green, slightly veined with darker shade. Flesh deep, rich red of splendid quality. Large Pkt., 10c; oz., 20c; ¼ lb., 30c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$30.00, postpaid.

**CACTUS BRAND—THE NEW TOM WATSON**—Very large, very profitable. The tonnage per acre is enormous. The Cactus Brand Tom Watson and Kreckley's Sweet make an excellent combination for large shippers. Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 80c; 5 lbs., \$3.00; 10 lbs., \$5.50, postpaid.

WRITE FOR OUR ATTRACTIVE QUANTITY PRICES

**WHITE SEEDED ANGELENO**—This melon is highly praised on the Phoenix market because of its excellent shipping qualities, uniform shape and fine flavor. It is almost round, with a beautiful dark green rind which makes it attractive to the buyer. Do not pick until the yellow shows slightly through the green and you will never disappoint your customers with a green melon. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50, postpaid.

**THE NEW BLACK SEEDED ANGELENO WATERMELON**—A combination of the unexcelled qualities of the famous Angeleno and the favorite black-seeded Chilian. Undoubtedly a melon of par excellence and a prime favorite for the market. The sweet crisp meat of this melon, together with its crisp, sugar crystal formation, endears it upon first use. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50, postpaid.

**STONE MOUNTAIN**—A new introduction of the best quality, and is claimed to be the sweetest of all large melons; in shape it is almost round, dark green rind, medium thick; flesh rich scarlet. Not unusual to grow Stone Mountains weighing 70 to 80 lbs. For home and nearby markets it is unexcelled. Seeds white with black tips. Pkt., 5c; oz., 20c; ¼ lb., 45c; 1 lb., \$1.50, postpaid.

**TRUE AUGUSTA RATTLESNAKE**—This melon rapidly deteriorates unless it is severely rogued, therefore we take particular care in seed selection. It is elongated gray, with green stripes; good size, with maximum of 50 to 60 pounds. Seed white with black ears; flesh crisp and excellent. Medium early. Pkt., 5c; oz., 20c; ¼ lb., 25c; 1 lb., 80c, postpaid.

**HALBERT'S HONEY**—This melon ripens early in all melon-growing districts. The melons are of cylindrical oblong form, with smoothly rounded ends. The rind is thin, the flesh crimson and of the very finest flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75, postpaid.

**THE EXCEL**—A new black-seeded melon that has made a sensation in the South. Its surpassing merits are in the size (average weight per melon in car is 35 pounds), enormous yield and excels all others as a shipper. We planted an acre on our trial grounds and find it is not only all that is claimed for it, but we were surprised at the excellence of its flavor. We recommend it to all shippers who want a very large melon. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50, postpaid.

**SWEETHEART**—Remains in condition for use longer than any other sort. Fruit early, large, oval and very solid. Flesh bright red, tender and sweet. Rind thin but strong, making it a good shipper. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., \$1.00, postpaid.

**FLORIDA FAVORITE**—Oblong in shape, very early and a good shipper. Flesh light crimson, crisp and deliciously sweet. This melon is a favorite among shippers in the Salt River Valley. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., 90c; 5 lbs., \$3.75; 10 lbs., \$7.00, postpaid.

## Citron Melons

**GREEN SEEDED OR STOCK CITRON**—One of the most productive of stock melons. They will keep indefinitely. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00; 5 lbs., \$4.50, postpaid.

**PRESERVING CITRON**—The red-seeded type is most desirable for preserving, the flesh being solid and white. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00; 5 lbs., \$4.50, postpaid.

## Mustard

(Mostaza)

Sow in the Spring or Autumn. Not particular as to soil, though a medium heavy one is best.

**OSTRICH PLUME**—So called for its feathery appearance. Ornamental as well as useful. Pkt., 10c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

BUY THE BEST—WE DO

**SOUTHERN GIANT CURLED**—Leaves large, 14 to 16 inches in length, which are cooked like spinach and have a very agreeable flavor. Pkt., 10c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**WHITE LONDON**—Best for salads or medicinal purposes. Pkt., 10c; oz., 15c; 1 lb., 75c, postpaid.

**CHINESE GREEN CURLED**—This is an Oriental vegetable, and like the White Mustard, is grown all the year around, but like our American Spinach thrives best in the winter season. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.25, postpaid.

## Onions (Cebolla)

**CULTURE**—For the small garden for which these instructions are intended we advise planting only Bermuda Onions, the Crystal White Wax, the Sweet Spanish, the Australian Brown and the Yellow Globe Danvers. These are mild and good keepers and are suitable for green onions or mature. For green onions plant from Sept. 15 to March 1, in double rows six inches apart on ridges 12 inches apart at the rate of 4 oz. of seed to 100 feet of row. Thin out as pulled for table use and if any are left they will produce mature onions in five to seven months from planting. They will respond readily to liberal fertilization, chicken or barn yard manure being highly recommended. Some commercial fertilizers will force them but affect the keeping qualities.

If you contemplate an acreage of onions do not fail to get our illustrated catalogue on the Planet Jr. Planter. One of these famous planters will pay for itself in the saving of seed on one crop. Endorsed by many Arizona market gardeners. For field planting, 1 oz. of seed will plant 100 feet of row, and 3 pounds are required to plant an acre. Write for special prices in quantity.

**RED BERMUDA**—In shape, like the Yellow Bermuda, color a pale red. Planted during January, matures latter part of June. No other onion is ready for use so quickly after planting seed. It is the right onion for the home garden. Pkt., 10c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$3.50, postpaid.

**AUSTRALIAN BROWN**—This onion has claimed a place in America within recent years and seems abundantly able to maintain it. It is of medium size and of good quality; very early; rather flattened in shape; of brown color, and wonderfully hard and mild. It begins to form a bulb at an early period of its growth, when only a few inches high and quickly reaches maturity. Its leading and most valuable quality is its long keeping quality. Properly handled it will keep for months. Pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.25, postpaid.

**CRYSTAL WHITE WAX**—Teneriffe grown. A large white onion of the Bermuda type becoming more popular every year. It is mild and sweet, an excellent keeper and presents a beautiful appearance on the market, being of a waxy white, clean cut and uniform. It produces few seeds, therefore remains high priced, but regardless of the price a small quantity should be included in each order. Pkt., 10c; oz., 40c; ¼ lb., \$1.35; 1 lb., \$3.00, postpaid.

**GREAT GREEN BUNCH ONION**—Will produce green onions large enough for table use in about 75 days. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00, postpaid.

**YELLOW BERMUDA**—Teneriffe grown. We import direct from the noted island of Teneriffe our seed which is grown by the most reliable seed grower in that celebrated district. This variety is more extensively grown in Arizona. We have these in separate colors of Crystal Wax in preference to the many varieties usually offered in seed catalogues. For the reason that these few varieties have proven so highly satisfactory we limit our offerings to them and urge that these only be planted.

The Yellow Bermuda is a pale straw color, flat and very mild. Pkt., 10c; oz., 40c; ¼ lb., \$1.35; 1 lb., \$4.00, postpaid.

**YELLOW GLOBE DANVERS**—A very popular variety for home garden or market. Medium size, globular shape and mild. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.75, postpaid.

**SILVER SKIN**—Planted principally by market gardeners for a bunch onion, but the Silver Skin answers the purpose better because of its mildness. The Silver Skin is of medium size and early. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; 1 lb., \$3.50, postpaid.

**SWEET SPANISH**—(Valencia, Riverside Strain) Sweet Spanish, as the name implies, is a sweet, mild onion. Until recently this onion was grown almost entirely in Spain and large quantities were imported into this country. There are several different strains, known by the names of the district in Spain where they are grown, as Denia, Gandea, Barcelona, Valencia, etc. The strain which has proved the most satisfactory Riverside Strain. Pkt., 10c; oz., 50c; ¼ lb., \$1.60; 1 lb., \$4.00, postpaid.

**WHITE SWEET SPANISH**—In flavor, uniformity and having all the good qualities of the Riverside Sweet Spanish, mildness this new onion can not be excelled. In addition it is a good keeper, good shipper, and the fine white skin is most desirable. Pkt., 10c; oz., 60c; ¼ lb., \$2.25; 1 lb., \$6.00.

**SOUTHPOT WHITE GLOBE**—In form it is the same as the Yellow or Red Globe, but of much milder flavor than either of them, but is not so good a keeper, it, however, commands the highest market price. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.25; 5 lbs., \$15.00, postpaid.

## Onion Sets

We are large dealers in Onion Sets. Ask us for quantity prices.

One lb. of sets will plant about 75 ft. of row—about 250 lbs. required for 1 acre.

Early Green Onions are obtained much earlier by setting out sets than by sowing seed. Seed, however, should be sown to follow the crop grown from the sets. Usually our Sets are ready about September 15 and we can supply them until May.

**WHITE**—Lb., 35c; 10 lbs., \$3.00, postpaid.

**Yellow**—Lb., 30c; 10 lbs., \$2.50, postpaid.

Market gardeners and onion growers who use large quantities of onion sets and onion seed will please write for wholesale prices.

## Okra or Gumbo (Quimbambo)

This popular vegetable of the South is not largely grown in Arizona, but it thrives well under Arizona conditions. It requires generous water supply and responds readily to fertilizer and cultivation. Sow seed after February 15, or when danger of frost is over, in drills and thin plants to one foot apart. One ounce will sow 50 feet of row. It requires about 90 days to grow to marketing size.

**TALL GREEN**—Very productive. Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**WHITE VELVET**—The well-known pickle variety. Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**DWARF GREEN**—A short pod variety, very popular on the market. Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

## Parsley (Purijil)

Parsley can be readily grown in Arizona by the use of a raised bed for fall sowing. A light mulch will help to retain moisture, which will greatly aid in germinating the seed, as it is slow to start and cannot be covered deeply. One ounce of seed will produce about 500 plants.

**MOSS OR TRIPLE CURLED** — Compact growing variety. Excellent for garnishing and flavoring. Pkt., 10c; oz., 20c; ¼ lb., 45c; 1 lb., \$1.25, postpaid.

## Parsnips (Cheribia)

Best sown during cold weather. October to March. Succeeds best in rich moist soil. Sow thickly in drills one foot apart and one-half inch deep. When the plants are two or three inches high thin to about four inches apart and cultivate same as carrots. One ounce of seed will sow about 100 feet of row.

**HOLLOW CROWNED**—Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50, postpaid.

## Peanuts

### A Great American Food

Thousands of acres are planted in the United States every year, the average yield being 34 bushels per acre.

Peanuts require a five to six months' growing season. In Southern valleys they should be planted in March or April, when danger of frost is over; they will then mature about September. It requires about 10 pounds shelled or 15 pounds of unshelled nuts to plant an acre. Plant about 20 inches apart in the row and the rows 3 feet apart. In irrigated districts plant level and gradually hill to row. Irrigate about 3 times per month during hot weather and cultivate after each irrigation.

**SPANISH HULLED**—1 lb., 35c; 10 lbs., \$3.00  
**VIRGINIA BUNCH**—1 lb., 30c; 10 lbs., \$2.50

Postpaid to 1st, 2nd and 3rd zones

## Peas

### (Chicaros o Alverion)

Write for Quantity Prices—1 lb. to 80 feet of drill; 50 to 80 lbs. to the acre.

**CULTURE**—Peas should be planted during the months of September, October, November, January, February, March and April. They are very hardy and will stand a great deal of frost. Plantings made later than April will not prove very profitable, as they do not thrive in hot weather. In localities where frost does not occur until the middle of November the quick-maturing sorts may be planted about the middle of September for a fall crop. Dwarf varieties can be planted in rows 12 to 18 inches apart, and the tall ones in rows 3 feet apart. When the planting is done during the cold months, the seed should be put down from 1 to 2 inches, and in the warmer months from 3 to 4 inches. In the garden the pods should be kept picked, as the plants will bear longer. The tall varieties will continue bearing much longer than the dwarf kinds.

**LAXTONS PROGRESS**—The latest introduction of the early large podded dwarf varieties rapidly making a place for itself as it is slightly larger in vine and pod than others of its class. Pkt., 10c; ¼ lb., 20c; 1 lb., 35c; 10 lbs., \$3.00, postpaid.

**STRATAGEM**—A favorite on the Phoenix market. The pods are of a dark green color and remain firm several days after picking. A very strong grower, very prolific, pods of good size and well filled. Vines stand upright, require no stakes. Pkt., 10c; ½ lb., 15c; 1 lb., 30c; 10 lbs., \$2.50, postpaid.

**DWARF TELEPHONE**—A dwarf variety of the famous Telephone, bearing large, handsome pods of peas of the finest quality. An abundant bearer of long, broad, straight pods about 4½ inches long, well filled, frequently containing 9 to 10 peas; 1½ feet high. Pkt., 10c; ½ lb., 15c; 1 lb., 30c; 10 lbs., \$2.50, postpaid.

**HUNDREDFOLD**—Extra early large podded. Sixty days from planting to the table. Tender and fine flavored. Vine 18 inches; pods four inches. Red, yellow and green, wrinkled. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., \$2.75, postpaid.

## Peppers

### (Pimiento o Chili)

**CULTURE**—Sow in hot beds in November and December, in boxes or cold frames in January and February, and in the field where they are to remain, in March. Plants grown in the bed should not be set in the field until the weather is warm and all danger of frost is past. The soil should be highly fertilized and plants should be kept well watered at all times. Plant in rows 30 inches apart and 18 inches apart in the row. One ounce of seed will produce 1000 plants.

**CALIFORNIA WONDER PEPPER**—Super-sedes all other varieties—A bright, attractive green, changing to a brilliant light crimson. Sweet and spicy, with no bite to it. Not only is it ideal in size and shape but the meat is thicker, firmer and freer from crooks and wrinkles than any other sort. Pkt., 25c; oz., \$1.50; ¼ lb., \$4.00; 1 lb., \$10.00, postpaid.

**CHINESE GIANT PEPPER**—A pepper of exceptional merit. It is very mild in flavor and is an ideal variety for the home garden. Produces enormous peppers measuring as much as five inches broad at the top and of equal length. It is highly productive, plants being so thickly covered that they appear to bear in clusters. Its flesh is thick, solid, but of fine texture, making the ideal stuffing pepper, for which purposes it is greatly and rightly famed. Pkt., 10c; oz., 75c; ¼ lb., \$1.80; 1 lb., \$6.50, postpaid.

**ANAHEIM CHILI**—Slender pod about seven inches in length, desired for slicing because of its freshness and slight pungency. It has no insect enemies and when dried the pods are not perishable, therefore it is a safe crop to plant and often proves very profitable. The estimated yield of dry peppers is one ton to the acre. Pkt., 10c; oz., 55c; ¼ lb., \$1.50; 1 lb., \$5.50, postpaid.

**LARGE BELL OR BULL NOSE**—An early variety and of mild, sweet flavor; the skin is quite fleshy, and of medium size. This is a very popular pepper. Pkt., 10c; oz., 50c; ¼ lb., \$1.65; 1 lb., \$4.50.

**FLORAL GEM**—The favorite variety when a small hot pepper is desired for pickling or highly flavored sauces. The fruit is cone shape and 2 inches long, green when immature changing to a creamy white and turning red as it ripens. We have a fine stock of this variety. Pkt., 10c; oz., 80c; ¼ lb., \$2.65; 1 lb., \$8.00, postpaid.

**MEXICAN CHILI**—Red hot, green or ripe, just the thing for drying and flavoring Spanish dishes. It is a medium size, pear shaped pepper and turns a bluish black when dried. Pkt., 10c; oz., 50c; ¼ lb., \$1.60; 1 lb., \$5.00, postpaid.

**PIMIENTO**—A sweet pepper, excellent for canning or salads. Every home garden should have a row of Pimientos. Stuffed and baked it is far superior to all other peppers. Pkt., 10c; oz., 50c; ¼ lb., \$1.65; 1 lb., \$4.50.

## Pumpkins

### (Calabasa)

**CULTURE**—Plant in March, July and August seven to ten seeds in a hill and hills eight feet apart each way. Planted with corn they do well and yield an abundance of good hog and cow feed. One pound of seed will plant about 400 hills. Four to five pounds to the acre. Heavy fertilizer will produce wonderful results.

**GREEN STRIPED CUSHAW**—An old favorite. Excellent for pies, and sells well on all markets; 18 inches to 2 feet long and 12 inches in diameter; green striped with crooked neck. Flesh thick, yellow, coarse, but sweet. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50; 5 lbs., \$7.00, postpaid.

BUY THE BEST—WE DO

**LARGE CHEESE**—A very productive pumpkin, shape flat, skin mottled, light green and yellow changing to a rich crimson color. Flesh yellow, thick and tender. The Large Cheese will yield as many tons per acre as most other larger varieties and it is a much better market type than the ordinary field varieties, therefore we recommend it for a general purpose pumpkin. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**JAPANESE PIE**—A very valuable pumpkin of Japanese origin. The flesh is thick, of a rich salmon color, fine grained, dry and sweet. Very productive and highly desirable for pies or cooking. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**KENTUCKY FIELD**—Large, round, flattened, hardy and productive. One to two feet in diameter. It has thick flesh of extra fine quality and is a splendid sort for family and market use as well as for stock feed. Pkt., 5c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**IMPROVED CUSHAW**—This is a very fine large, smooth pumpkin, having a small seed cavity and fine grained flesh. It is excellent for pies and yields enormously. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.50, postpaid.

**CONNECTICUT FIELD**—The world-famous corn field pumpkin, grown principally for stock feed. The vines are of strong, vigorous growth and heavy bearers. Under favorable conditions the Connecticut Field will yield about 15 tons per acre. Pkt., 5c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**SMALL SUGAR**—This is the pumpkin from which the celebrated Yankee Pumpkin Pie is made. About 10 inches in diameter is its average size. Skin is deep orange yellow, with fine grained flesh; handsome and an excellent keeper. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.25, postpaid.

**MAMMOTH TOURS**—Immense size often weighing 100 pounds, oblong, skin green; good exhibition sort, or for stock feeding. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.50, postpaid.

## Seed Potatoes

(Papas o Patata)

Plant 600 lbs. to 800 lbs. to the acre.

Postage, Express or Freight Extra.

**CULTURE**—Potato planting in Arizona begins in the Southern valleys by January first and gradually works north until May first.

We recommend planting about 3 or 4 inches deep, and in hills 9 inches apart in 3-ft. rows.

Potatoes should be cultivated frequently, but should not be irrigated until absolutely necessary. There should be enough moisture in the soil before planting to carry the plants well along until the tubers are about the size of a walnut. This is very important.

**NOTICE**—Potato prices are f. o. b. Phoenix. If they are wanted by mail, please add postage at zone rates. (See inside front cover.) When ordering remit to us at the prices quoted here and we will fill your order at the market price prevailing the day it is received.

For 10- to 25-pound lots the parcel post rate is cheaper than express, but we recommend quantities of 50 pounds or more be sent by express or freight. If there is no agent at your station, please include prepay charges.

**IRISH COBBLER**—A very fine first early Potato of uniform size and good quality. Form oval and round, with a clean white skin and shallow eyes. Its strong growth, earliness, uniformity, large yield, fine quality and handsome appearance have made it a popular variety in all sections. 10 lbs., \$1.00; 25 lbs., \$2.00. Ask for quantity price.

**BLISS TRIUMPH**—A pink-skinned variety of extraordinary quality. Not the largest yielder, but it is the earliest yielder we know of. The potatoes are of good size and of excellent quality.

Under desert conditions, where moisture is not plentiful and a quick crop is necessary, the Triumph is very satisfactory. 10 lbs., \$1.00; 25 lbs., \$2.00. Ask for quantity price.

## Semesan Bel for Disinfecting Seed Potatoes

For each 2½ gals. of water in the treating tub, have ready one pound of Semesan Bel. Sprinkle enough Semesan Bel into the water to cover its surface and stir it constantly until the disinfectant forms a white mush-like mixture or dip. Keep stirring and adding the Semesan Bel little by little until the required quantity is mixed into the water. The Semesan Bel mixture is then ready for the dipping of the potatoes.

## Radish (Rabano)

**CULTURE**—Radishes may be sown any month in the year in any good garden soil. One ounce of seed will sow about 100 feet of drill, or a bed of 40 square feet.

**EARLY SCARLET GLOBE**—Similar to the Scarlet Turnip, except that it is larger. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., \$1.00, postpaid.

**EARLY SCARLET TURNIP**—One of the earliest and best sorts for forcing; its color is very handsome; flavor very mild, crisp and juicy; stands a great amount of heat without becoming pithy. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**EARLY LONG SCARLET**—Very brittle and crisp; color a bright scarlet; small top. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**CHINA ROSE**—A delicious radish, crisp, with little tendency to become pithy. A beautiful coloring from light red at the top to almost pure white at the tip. It is a good seller and is in great demand by the vegetable peddlers. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**CALIFORNIA MAMMOTH**—Pure white; the flesh is tender, sweet and crisp, keeps well. Plant from September 1 to January. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**MIXED RADISH**—This mixture, consisting of almost every known variety of radish, is deservedly popular throughout the country because it grows radishes suitable to each season and to every condition of soil. You are sure to have them early, medium and late; small, medium and large—something all the time. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., 90c, postpaid.

**LONG WHITE ICICLE RADISH**—White tipped scarlet turnip; an early variety of medium size and excellent flavor, and of a very handsome appearance. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**LONG WHITE ICICLE**—For the home garden we consider this a most excellent table variety. Its extreme earliness, beautiful pure white appearance, excellent flavor and crispness should make it a favorite everywhere. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**EPICURE RADISH**—Ready for the table within three weeks; always crisp, a delightful relish. The small round red and white radishes make a pretty showing. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**CRIMSON GIANT**—A variety combining earliness and great size. It grows much larger than other extra early varieties, but does not become pithy, even when twice as large in diameter and a week older. We recommend it highly. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**VICKS EARLY SCARLET**—A splendid early market radish, deep scarlet. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

**CHARTERS**—A distinct, exceedingly handsome and attractive sort; color white at the tip. Attains a large size before it becomes unfit for the table. Pkt., 5c; oz., 20c; ¼ lb., 35c; 1 lb., \$1.00, postpaid.

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**JAPANESE WINTER RADISH**—This was introduced in the same manner as the Japanese Summer Radish, which it resembles except in size. It is more crisp and of better flavor in the Winter season. It is pure white, grows about eight inches long and not as tapering as the larger one. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$1.50, postpaid.

**ROUND BLACK SPANISH**—Skin black, flesh white, of firm texture. Pkt., 5c; oz., 20c; ¼ lb., 35c; lb., \$1.00, postpaid.

## Rhubarb

(Ruibarbo)

PIE PLANT

In the higher altitudes sow the seed any time from March 1 to July 1, in drills two feet apart. Transplant at any time when the roots are large enough.

**CRIMSON WINTER**—Price: Pkt., 10c; oz., \$1.50; ¼ lb., \$4.50, postpaid.

## Spinach

(Espinaca)

Use more Spinach—It is full of Vitamines.

Should be planted in drills 12 to 18 inches apart, and for a succession every two weeks, as it grows, thin out or use, keeping clean of weeds. Sow from September 1 to April; one ounce of seed to 100 feet of drill; 20 pounds to the acre.

**PRICKLY SEEDED WINTER OR THICK LEAF**—Broad leaf; a splendid Fall or Winter variety, thriving in the coldest weather. It is the leading sort for market gardeners in the Salt River Valley. Pkt., 5c; ¼ lb., 15c; lb., 50c, postpaid.

**NEW ZEALAND**—For greens in the Summer and Autumn this variety is making a fine record in the Salt River Valley. We have several reports of its having grown through the entire Summer, maintaining a rich green color until the top growth is killed by frost. Roots allowed to stand until Spring will give new growth. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.50, postpaid.

**BLOOMSDALE**—A valuable variety which is being more extensively grown each year. Upright in growth, producing a cluster of large thick leaves. Several crates were shipped East with lettuce the past season, and it brought top-notch prices. We recommend it highly. Pkt., 5c; ¼ lb., 20c; lb., 50c, postpaid. Ask for quantity prices on Spinach.

## Salsify

(Salsify Blanco)

VEGETABLE OYSTER

Sow the seed in February and March in drills one foot apart and one inch deep, thinning out plants to four inches. One ounce of seed will plant 50 feet of drill.

**MAMMOTH SANDWICH ISLAND**—A large and superior variety, mild and delicately flavored. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$2.50, postpaid.

## Squash

(Calabaza)

**CULTURE**—The squash is very tender; it is destroyed by frost, and the seed is apt to fail in cold ground; therefore it should not be planted until all danger of frost is past. Plant in hills five feet apart for bush varieties, and six to eight feet apart for vining varieties, putting six to eight seeds in a hill. When plants are strong, thin to three in a hill. Of the bush varieties, one ounce will plant 40 hills, and of the larger seeded sorts, about 15 hills. Two to three pounds to the acre.

**BANANA**—This Squash grows from one to two feet in length. Flesh firm and solid, of beautiful orange-yellow and excellent quality. It keeps from one season until another. When

quite young it is excellent to cook as a marrow. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid.

**GOLDEN HUBBARD**—Similar to the Green Hubbard except in color, which is a deep orange. Flesh deep golden yellow, fine grained; cooks dry and is of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid.

**FORD HOOK**—One of the best late Summer varieties. Will keep well for months if stored in a cool, dry place. Thick skin of a bright yellow color; heavy meat that can be used at any stage of growth; fruits oblong in form, 8 to 10 inches in length; slightly ridged. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid.

**SUMMER CROOKNECK**—A small, crook-necked Summer squash; skin bright yellow, covered with warty excrescences. Very early, productive and of excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid.

**MAMMOTH CHILI**—Grows to immense size, often weighing over 200 lbs.; very productive. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid.

**PIKE'S PEAK**—An old variety that deserves all the good things that are said about it. It is preferred to any other by those who know it. Good keeper and excellent for pies. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50, postpaid.

**EARLY WHITE BUSH SCALLOPED**—The most popular squash because of its earliness and productiveness; skin and flesh a light cream color. A general favorite. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25, postpaid.

**IMPROVED HUBBARD**—Best Winter variety vigorous and productive. Fruit large, weighty, moderately warted, hardshell, color dark bronze green. A fine-grained, thick, dry, richly flavored, orange yellow flesh. Baked it is similar to and as luscious as a sweet potato. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.25, postpaid.

**ITALIAN OR ZUCCHINI SQUASH**—Is a bush variety and should be planted five feet apart. It should be used when quite young. When stewed it has a rich, creamy flavor not equalled by another squash. Some gardeners have made considerable money making a specialty of it. For the family garden we would recommend its use instead of the small white bush scallop, because of the excellent flavor and it is much more prolific. Try a packet or an ounce and be convinced of the delicious flavor. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75, postpaid.

## Tomatoes

(Tamata)

**CULTURE**—Tomatoes do best on light, warm not overrich soil, and success depends upon securing a rapid, vigorous and unchecked growth during the early part of the season. Sow in hot beds from 6 to 8 weeks before they can be set out of doors, which is when danger from frost is past.

**PHOENIX SPECIAL TOMATO**—This grand Tomato was introduced into the Salt River Valley several years ago, and has constantly grown in popularity until it is today one of the tried and true varieties in most every market garden. The color is a bright purple scarlet, almost globular in shape, slightly flattened at stem and blossom ends. It is very productive and quite early, producing large fruits which are protected from the sun by ample foliage, thus eliminating the loss of so many fruits from sun scalding. Pkt., 10c; oz., 60c; ¼ lb., \$2.00; lb., \$6.00, postpaid.

**MARGLOBE**—No other tomato in recent years has created the sensation Marglobe has. It is the result of the work of government experts in breeding a tomato resistant to wilt and has become in two or three years the leading variety among canners, shippers and mar-

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ket gardeners. The vine is vigorous, resistant to disease, fruit a large, slightly flattened globe, of fine bright color, very firm and meaty and of the very best quality. You can make no mistake in planting your main crop of Marglobe. Pkt., 10c; oz., 75c; ¼ lb., \$2.50; 1 lb., \$7.50.

**MORSE'S SPECIAL EARLY, NO. 498**—A solid red Tomato. Without a question this is the best extra early tomato ever offered for home garden, market garden or shipping. Unlike most early strains the foliage grows well to the center of the plants, protecting the fruit from sunburn. The fruit is deep red, very smooth and almost globular. Flesh very firm, free from core and contains very few seeds. Size and shape just right for packing and the tough skin makes it carry well and peel easily. Pkt., 10c; oz., 80c; ¼ lb., \$2.50; lb., \$8.00, postpaid.



**PONDEROSA OR BEEFSTEAK**

**PONDEROSA OR BEEFSTEAK**—A very large, purple tomato with few seeds and of excellent flavor. Our strain is round and smooth—not the usual oblong wrinkled kind. It is a favorite for the home garden, for which purpose we have on hand from March 1 until June extra fine, large, strong, transplanted plants. Pkt., 10c; oz., 70c; ¼ lb., \$2.25; lb., \$7.00, postpaid.

**DWARF CHAMPION**—Commonly called the Tree Tomato. Quite early, fruits medium large; color purplish pink and always round and smooth. Pkt., 10c; oz., 50c; ¼ lb., \$1.65; lb., \$5.00, postpaid.

**EARLIANA**—A very popular extra early red, of compact growth. Yields well and the fruit is solid and of fine quality. Pkt., 10c; oz., 50c; ¼ lb., \$1.65; lb., \$5.00, postpaid.

**BREAK OF DAY**—A large new scarlet tomato, producing fruits of perfect shape. It ripens early, has firm flesh, of excellent quality. Pkt., 10c; oz., 80c; ¼ lb., \$2.50; lb., \$8.00, postpaid.

**NEW STONE**—The largest, bright red, perfectly smooth, highest yielding, best keeping, finest flavor, main crop variety. Growers everywhere recognize the merit of the New Stone. It is now 25 years since it was introduced, and it is still growing in favor. Skin is bright scarlet, perfectly smooth and tough enough to stand shipment. Pkt., 10c; oz., 60c; ¼ lb., \$2.00; lb., \$6.00, postpaid.

**CHALK'S EARLY JEWEL**—A bright scarlet tomato, thick flesh, solid, of medium size, and very fine flavor. One of the best cropping medium early varieties. Pkt., 10c; oz., 40c; ¼ lb., \$1.35; lb., \$4.00, postpaid.

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**DWARF STONE**—The fruits are larger than those of the Dwarf Champion, and nearly as large as the original Stone. It is very prolific, smooth, and ripens early. The color is bright red. On account of its erect habit of growth plants may be set as close as 18x24 inches. Pkt., 10c; oz., 50c; ¼ lb., \$1.65; lb., \$5.00, postpaid.

### Small Fruited Tomatoes (Excellent for Preserves)

**HUSK TOMATO**—Plants of low spreading growth and immensely productive. The small fruits are each enclosed in a husk. They are highly esteemed for preserves or pies. Pkt., 10c; oz., 75c, postpaid.

**RED CHERRY**—Small fruits of bright scarlet, borne in clusters. They are very productive and of fine quality. Pkt., 10c; oz., 75c, postpaid.

**YELLOW PEAR**—This is a leading favorite for preserves. The fruit is bright yellow and pear-shaped. The flavor is rich and distinct. Pkt., 10c; oz., 75c, postpaid.

**YELLOW PLUM**—Yellow, plum shape, average one inch in diameter, excellent flavor. Pkt., 10c; oz., 75c, postpaid.

### Turnips (Nabo)

**CULTURE**—Sow from September 1 to March 1, broadcast if in loose loamy soil, otherwise in drills ten inches apart and cultivate. One ounce of seed will plant 75 feet of row, or three pounds will broadcast an acre.

**RUTABAGA, PURPLE TOP, YELLOW**—The best variety of Rutabaga in cultivation; hardy and productive; flesh yellow and well flavored; shape slightly oblong; color deep purple above and bright yellow under the ground. Pkt., 5c; oz., 20c; ¼ lb., 35c; lb., 75c, postpaid.

**PURPLE TOP GLOBE**—This is one of the handsomest and most salable turnips. Very desirable for either home or market gardens. It is large, globular shaped; flesh pure white; crisp and tender. On account of its shape it will outyield any other crop and is always a sure cropper. Pkt., 5c; oz., 20c; ¼ lb., 35c; lb., 80c, postpaid.

**WHITE EGG**—Of very rapid growth; solid, firm, fine-grained flesh of sweet, mild flavor. It grows to a good size, and is excellent, early or late. Pkt., 5c; oz., 20c; ¼ lb., 35c; lb., \$1.00, postpaid.

**EARLY WHITE FLAT DUTCH**—A most excellent early garden variety. Medium-sized, flat; color white, very early; sweet and tender. It is desirable for table use when small. Pkt., 5c; oz., 20c; ¼ lb., 35c; lb., 75c, postpaid.

**GOLDEN BALL**—Rich, sweet, yellow flesh; of quick growth and keeps well. Pkt., 5c; oz., 20c; ¼ lb., 35c; lb., \$1.00, postpaid.

**PURPLE TOP STRAP LEAVED**—More generally planted than any other variety. It is a quick grower; the flesh is very fine grained and sweet flavored. Pkt., 5c; oz., 20c; ¼ lb., 35c; lb., 75c, postpaid.

**SNOWBALL**—Medium size, round turnip; pure white, very fine flavor. Pkt., 5c; ¼ lb., 35c; lb., \$1.00, postpaid.

**COW HORN**—This variety is pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop. Pkt., 10c; oz., 20c; ¼ lb., 35c; lb., \$1.25.

### Vegetable Plants and Roots

Owing to the expense of packing small plants for shipment by mail or express, we must request that your order for plants amount to not less than one dollar.

On account of the perishable nature of plants, subject to delay in transit and quarantine regulations, we prefer to deliver all plants at the counter in our store, but when necessary to send via mail or express, it must be understood that we do so at the buyer's risk.

**ASPARAGUS ROOTS**—Why not have an Asparagus bed? The arid Southwest is admirably adapted to the growing of asparagus. Every back-yard garden should have a small bed of it. It is no trouble to grow and it's mighty fine eating in the Spring of the year. Set plants in rows two feet apart and about ten inches apart in the rows, or about 100 plants to 10x20. If 2-year-old plants are planted, tips may be cut the second year. Set the plants early in trenches 8 or 10 inches deep and fertilize well. In the Fall, after frost, cut the dead tops and mulch heavily. Roots in stock from January 1 to June 1. Price: 2-year-old roots, per doz., 35c; per 100, \$2.50, postpaid. Write for quantity prices.

**CABBAGE PLANTS**—We have early and late varieties of cabbage plants from September 15 to June 1. Prices here are postpaid. Doz., 25c; 100, \$1.00. Write for quantity prices.

**CAULIFLOWER PLANTS**—Our cauliflower plants are grown from our best acclimated seed. We have them from about October 1 to April 15. Doz., 35c; 100, \$1.25, postpaid.

**EGG PLANT**—We have these only during the Spring, about March 15 to June 1. On receipt of plants they should be put in water and revived before transplanting. Doz., 35c; 100, \$1.50, postpaid.

**PEPPER PLANTS**—Chinese Giant, Anaheim Chili and Pimiento ready about March 1. Doz., 35c; 100, \$1.50, postpaid.

**SWEET POTATO PLANTS**—These are ready usually about April 1 and we have them until June 15. In ordering more than 100, it is best to have them sent by express. Doz., 25c; 100, \$1.00, postpaid. Please write for prices on larger quantities.

**TOMATO PLANTS**—Our stock of tomato plants is grown from our acclimated seed and they are good producers. We have early and late varieties, but recommend our Phoenix Special. Doz., 25c; 100, \$1.00, postpaid. Write for quantity prices.

**RHUBARB ROOTS**—Crimson Winter—A very large growing sort and of excellent quality. Two-year-old roots, 20c each; \$2.00 per dozen, postpaid.

## Write for Plants in Large Quantities

## Our Vegetable Collections Save You Money

### Garden Collection No. 1—50c

VALUE, \$1.00—For 50c, Postpaid

#### No. 1—50c

1 pkt.	Beans—Improved Stringless Green	10c
1 "	Pod	5c
1 "	Beets—Improved Early Blood Turnip	5c
1 "	Carrot—Improved Chantenay	5c
1 "	Cucumber—Arizona Davis Perfect	10c
1 "	Lettuce—Arizona Wonderful	10c
1 "	Watermelon—Select Kleckley Sweet	5c
1 "	Cantaloupe—Improved Eden Gem	10c
1 "	Onion—White Bermuda	10c
1 "	Parsley—Moss Curled	10c
1 "	Radish—Iceicle	5c
1 "	Squash—Early White Bush	10c
1 "	Spinach—Prickly Winter	5c
1 "	Turnip—Purple Top Strap Leaf	5c

SPECIFY COLLECTION NO. 1

### Garden Collection No. 2—\$1.00

\$1.60 VALUE FOR \$1.00, Postpaid

#### No. 2—\$1.00

#### No. 2—\$1.00

1 pkt.	Beans—Improved Stringless Green	10c
	Pod	5c

1 "	Cabbage—Copenhagen Market	10c
1 "	Carrot—Improved Chantenay	5c
1 "	Cucumber—Arizona Davis Perfect	10c
1 "	Lettuce—Arizona Wonderful	10c
1 "	Watermelon—Kleckley's Sweet	5c
1 "	Cantaloupe—Improved Eden Gem	10c
1 "	Onion—White Bermuda	10c
1 "	Parsley—Triple Curled	10c
1 "	Pepper—Chinese Giant	10c
1 "	Pepper—Anaheim Chili	10c
1 "	Pumpkin—Small Sugar	5c
1 "	Radish—Long White Iceicle	5c
1 "	Radish—Early Scarlet Turnip	5c
1 "	Squash—Early White Bush	5c
1 "	Tomato—Phoenix Special	10c
1 "	Turnip—Purple Top Strap Leaf	5c
1 "	Rutabaga—Purple Top Yellow	5c
1 oz.	Spinach—Prickly Winter	15c

\$1.60

SPECIFY COLLECTION NO. 2

## \$2.00 Garden Collection

\$3.50 VALUE FOR \$2.00, Postpaid

### No. 3—\$2.00

### No. 3—\$2.00

1/2 lb.	Beans—Improved Stringless Green	20c
1/2 "	Pod	5c
1/2 "	Beans—Kentucky Wonder Pole (pole)	20c
1 oz.	Beets—Early Blood Turnip	20c
1 pkt.	Cabbage—Copenhagen Market	10c
1 oz.	Carrot—Improved Chantenay	20c
1/2 lb.	Corn—Golden Bantam	20c
1 pkt.	Cucumber—Arizona Select Davis Perfect	10c
1 "	Mustard—Southern Curled	5c
1 "	Egg Plant—New York Improved	10c
1 "	Lettuce—Arizona Wonderful	10c
1 oz.	Watermelon—Kleckley's Sweet	20c
1 pkt.	Cantaloupe—Improved Eden Gem	10c
1 "	Casaba—Golden Beauty	10c
1 "	Onion—White Bermuda	10c
1 "	Parsley—Moss Curled	10c
1 "	Pepper—Chinese Giant	10c
1 "	Pepper—Anaheim Chili	10c
1/2 lb.	Peas—Blue Bantam	20c
1 pkt.	Pumpkin—Small Sugar	5c
1 oz.	Radish—Long White Iceicle	20c
1 "	Radish—Early Scarlet Turnip	20c
1 pkt.	Squash—Early White Bush	5c
1 "	Squash—Improved Green Hubbard	5c
1 "	Tomato—Phoenix Special	10c
1 oz.	Turnip—Purple Top White Globe	20c
1 pkt.	Rutabaga—Purple Top Yellow	5c
1 oz.	Spinach—Prickly Winter	15c

\$3.50

SPECIFY COLLECTION NO. 3

## Bargain Flower Seed Collections

NOTHING ADDS MORE TO THE HOME THAN BEAUTIFUL FLOWERS—PLANT MORE FLOWER SEEDS

### Flower Seed Collection No. 7—50c

12 Full Size Packets Specify Collection No. 7 FULL VALUE—\$1.20 for 50c

1 pkt.	Sweet Alyssum	10c
1 "	Calendula	10c
1 "	Candytuft	10c
1 "	Sweet Peas, Mixed	10c
1 "	African Daisy	10c
1 "	Scarlet Flax	10c
1 "	Larkspur	10c
1 "	African Marigold	10c
1 "	Zinnias, Mixed	10c
1 "	Double Poppy	10c
1 "	Nasturtium	10c
1 "	Verbena Mixed	10c

\$1.20

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## Flower Seed Collection No. 8— \$1.00

25 Full Size Packets Specify Collection No. 8  
FULL VALUE—\$2.35 for \$1.00

1 pkt. Sweet Alyssum .....	10c
1 " Antirrhinum (Snapdragon) .....	10c
1 " Calendula .....	10c
1 " California Poppy .....	10c
1 " Calliopsis .....	10c
1 " Candytuft (Mixed) .....	10c
1 " Bachelor Button .....	10c
1 " Coreopsis .....	10c
1 " Dianthus (Pinks) .....	10c
1 " Cosmos .....	10c
1 " Sweet Peas, Mixed .....	10c
1 " African Daisy .....	10c
1 " Gypsophila .....	10c
1 " Zinnias, Mixed .....	10c
1 " Larkspur .....	10c
1 " African Marigold .....	10c
1 " Good Mixed Pansies .....	15c
1 " Petunia, Mixed .....	10c
1 " Double Poppy .....	10c
1 " Verbena Mixed (Mammoth) .....	10c
1 " Tall Nasturtium .....	10c
1 " Dwarf Nasturtium .....	10c
<hr/>	
	\$2.35

## Zinnia Collection No. 9

SIX 15c PKTS. DOUBLE GIANT ZINNIAS  
Full Value 90c for 50c

SPECIFY COLLECTION No. 9

Double Giant Burt Orange .....	15c
" " Golden Yellow .....	15c
" " Pink Shades .....	15c
" " Scarlet .....	15c
" " White .....	15c
" " Lavender .....	15c
<hr/>	
	90c

## Zinnia Collection No. 10

5 Special Packets of Our Wonderful Zinnias  
Full Value 95c for 75c, Postpaid.

SPECIFY COLLECTION No. 10

1 Special Pkt. Giant Dahlia .....	
" " Flowered .....	15c
1 " " Zinnia—Pocotee Mixed .....	25c
1 " " Zinnia—Giant Buttercups .....	25c
1 " " Zinnia—Victory Quilled .....	20c
1 " " Zinnia—Double Giants, .....	
" " Mixed .....	10c
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	95c

PLANT MORE ZINNIAS—No flower can surpass them for beauty and hardiness during the hot summer months when flowers are scarce.

## Zinnia Collection No. 11

10 Special Packets of Our Wonderful Zinnias  
Full Value \$1.70 for \$1.00, Postpaid

SPECIFY COLLECTION No. 11

1 Special Pkt. Giant Double Dahlia .....	
" " Flowered .....	15c
1 " " Zinnia—Pocotee Mixed .....	20c
1 " " Zinnia—Giant Buttercups .....	25c
1 " " Zinnia—Victory Quilled .....	20c
Double Giant Burnt Orange .....	15c
" " Golden Yellow .....	15c
" " Pink Shades .....	15c
" " White .....	15c
" " Scarlet .....	15c
" " Lavender .....	15c
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	\$1.70

BUY THE BEST—WE DO

## Vine Collection No. 12

PLANT MORE VINE SEEDS FOR SUMMER SHADE

12 Pkts.—A Full Collection of the Best Vine Seeds

SPECIFY COLLECTION No. 12  
Value \$1.35 for 75c

Australian Pea Vine .....	10c
Balloon Vine .....	10c
Balsam Apple .....	10c
Scarlet Runner Beans .....	10c
Canary Bird Flower .....	10c
Cardinal Climber .....	25c
Cypress Vine .....	10c
Hyacinth Bean .....	10c
Japanese Hop .....	10c
Kudzu Vine .....	15c
Moon Vine .....	10c
Morning Glory .....	10c
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	\$1.40

## Bulbs and Roots for Spring and Fall Plantings

Special price list of Hyacinths, Tulip and other bulbs for Fall and Spring planting is issued in September.

WRITE FOR COPY

Prices listed are postpaid. All bulbs and plants will be delivered in their proper season when ready.

### Amaryllis

(Bella Donna)

"Bella Donna Lily." Blush, delicately shaded with pink or light purple, flowering before the leaves appear, very fragrant and fine for cut flowers, lasting fully a week when cut. Plant in a sunny position, leaving the neck even with the surface of the soil. 35c each; 3 for \$1.00, postpaid.

### Antigonon Leptopus

Plant in January, February and March—Order Early.

A Beautiful Permanent Vine, Bearing Lovely Shell Pink Blossoms.

ANTIGONON LEPTOPUS (Queen's Wreath) Admirably adapted to our climate in the Salt River Valley. Grows an immense vine early, kills down by frost, and grows the following spring from the roots. They are being planted quite extensively in the Valley and excite no end of comment during September and October, when they are covered with a mass of beautiful pink blossoms. Medium size tubers, per clump, 50c; large tubers, per clump, 75c.

### Caladium

(Elephant's Ear)

The leaves of immense size on massive stems grow to a height of 4 feet. For a tropical effect this plant has no equal. First size, 25c each; \$2.50 doz. Ready for shipment in December. Large size, 35c each; 3 for \$1.00.

### Caladium

(Fancy Leaf)

Plant in shady or partly shady, protected locations outdoors or plant in pots and window or porch boxes. The leaves are very decorative and are spotted, sprayed, veined, ribbed and blotched with white, green, red, orange, bronze, and various shades. Each variety has different markings. Plant a number of these, especially in pots and boxes for beautiful and showy decoration. Mixed, finest varieties, 35c each; 3 for \$1.00.

### Calla Lily

(Aethiopica)

The White Calla Lily, or Lily of the Nile, too well known to need further description. First size, 35c each; \$3.50 doz. Second size, 25c each; \$2.50 doz., postpaid.

**Calla**

(Elliotiana)

The Yellow Calla Lily. This is the finest Calla grown, large, deep, rich golden yellow color. The leaves are spotted with white. Habit like our old favorite, White Calla. 35c each; \$3.50 doz., postpaid.

**Canna Bulbs**

In Arizona and New Mexico they are the finest bedding plant we have.

**MIXED COLORS**—Each, 20c; doz., \$1.75.

**THE PRESIDENT**—Best of reds. 25c each; \$2.50 doz.

**WABASH**—Salmon pink. 25c each; \$2.50 doz.

**EUREKA**—White. 25c each; \$2.50 doz.

**KING HUMBERT**—Orange red. 25c each; \$2.50 doz.

**GOLD BIRD**—Lemon yellow. 20c; \$2.00 doz.

**WYOMING**—Rich orange. 20c each; \$2.00 doz.

Postage Extra.

**PLANT MORE CANNAS FOR COLOR.**

**Dahlias**

Among the Summer and Autumn flowering plants there is no subject in the plant line that affords a greater amount of satisfaction to the grower or produces a finer display for a continuous period than the dahlia. Separate colors, 35c each; \$3.50 doz.

**Gladiolus**

One of the most attractive of Spring flowering bulbs is the gladiolus. A nice feature of this bulb is the culture, it does not require very much attention, and only takes the usual amount of watering that is given any ordinary garden. In setting out the bulbs, try to select a sunny spot of fairly rich soil and spade deeply, then place bulb in firmly, 3 to 4 inches from the surface.

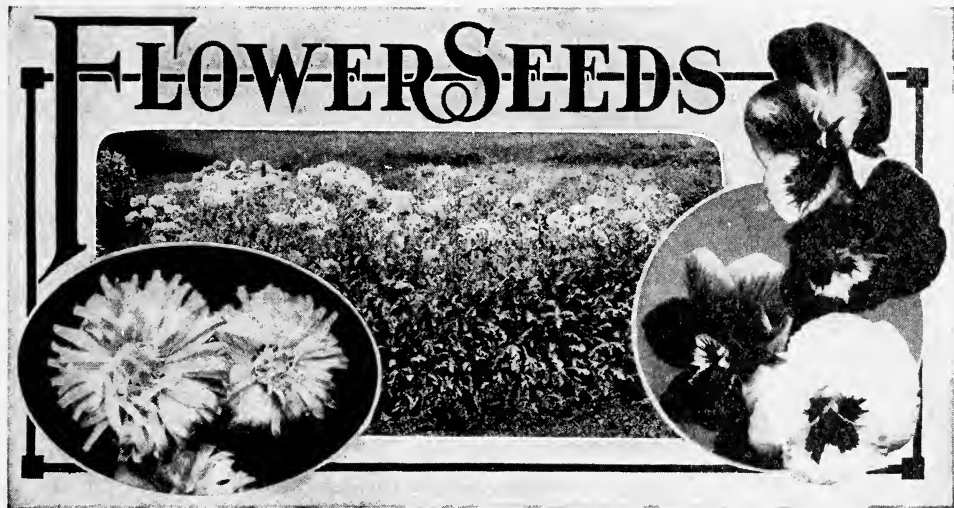
**SEPARATE COLORS**—White, rose-pink, salmon-pink, pink, scarlet, saffron, purple, mauve, carmine and old rose. 10c each; \$1.00 doz., postpaid. Finest mixed colors, 75c per doz., postpaid.

**Tuberose**

**MEXICAN EVERBLOOMING**—The most fragrant of all tuberose and a wonderful bloomer. Flowers are pure white and clustered from six to a dozen on a stiff stem, making them excellent for cut flowers. These bulbs multiply from year to year, producing great masses which should be separated and transplanted every three years. It grows vigorously in all parts of the South and our bulbs are always sure bloomers the first season. A dozen bulbs will plant a row six feet long. 10c each; 75c doz., postpaid.

# FLOWER SEED DEPARTMENT

*Beautify the Home, Increase Value of Property*



## *A Few Cultural Suggestions*

Most plants can be divided into two classes. Annuals and Perennials. Annuals are one-year plants. The seed is sown; the plants bloom, produce seed and die the same year. Many of our prettiest garden flowers are annuals. They are inexpensive, give a wealth of bloom, are admirable for the rented house garden, and are adapted to most soils and climates.

Annual plants which have a suitable habit of growth and adequate foliage may be made to do duty about the house and on the grounds in the place of shrubs and perennials.

There are no more satisfactory flowers than those grown from seed, especially the easily grown and brilliant colored annuals, but they require care and proper soil preparation, for flower seeds are delicate. Soil that will bake and crust should have a liberal mixture of well-rotted manure and sand. In adobe soil a few pounds of air-slacked lime will assist in forming a better texture. In sowing seeds of hardy annuals, plant all medium sized seeds at a depth of  $\frac{1}{4}$  to  $\frac{1}{2}$  inch. Sweet Peas should go deeper. Very fine seeds should be pressed into

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the soil and a little sand or fine, well-rotted manure sprinkled over the surface. Water more frequently if the seed is close to the surface, and if necessary protect with cheesecloth until the seed germinates. When up, the plants should be thinned from 2 to 12 inches, depending on the variety; otherwise they will be weak and spindling. It is a great mistake to leave plants too thick; give them room to develop, allow plenty of moisture and the display that can be produced from seed will surprise and delight the grower.

**PERENNIALS** are those that endure our winters with little or no protection, depending upon the variety and location. A large majority of the Perennials will bloom the first year from seed, especially if sown early, or they can bloom the following year and will sometimes live indefinitely.

### Acroclinium

(Everlasting Straw Flower). Annual.

Hardy annual everlasting flowers, white and self pink with golden centers. Should be cut the first day they open. **Double, mixed colors, Pkt. 10c.**

### Ageratum

(Floss Flower)

Hardy annual. Without a doubt, the best or borders. **Blue Perfection. (Pkt. 10c.)**

### Alyssum

(Mad-Wort)

Hardy annual Without a doubt, the best border plant to be had. Very hardy and blooms throughout the Fall, Winter and Spring months.

**Little Gem**—Grows 4 to 6 inches high. One of the finest for low beds and borders. **Pkt. 10c; ¼ oz. 25c; 1 oz. 50c.**

**Lilac Queen**—A delicate lilac (dwarf). **Pkt. 10c; ¼ oz. 25c; 1 oz. 50c.**

**Saxatile Yellow**—A perennial variety of pleasing color. Height 1 ft. **Pkt. 10c; ¼ oz. 25c; 1 oz. 50c.**

### Amaranthus-Caudatus

(Love Lies Bleeding)

Light yellowish-green, foliage long; drooping crimson flower spikes; grows three to four feet high. **Pkt. 10c.**

### Antigonon

(Mountain Rose)

Perennial. **Pkt. 10c.**

### Antirrhinum

(Snapdragon)

Thrive in most any soil and do beautifully in Southern Arizona. Plant in the open where they are to remain. **Scarlet, Pink, Rose, White or Mixed colors. Pkt., 10c; oz., \$1.50.**

### Aquilegia

(See Columbine)

### Australian Pea Vine

(Dolichos Lignosis)

A rapid growing evergreen, climbing perennial; flowering freely in large clusters of rose flowers. For covering arbors, etc., they are excellent. **Pkt. 10c.**

### Asters—Hardy Annual

Asters are one of the most important Summer and Autumn flowers that grow. For early flowering should be planted in hotbeds in January and December, then transplanted as soon as danger from frost is over. Asters are better suited to the higher altitudes of Arizona.

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**AMERICAN BEAUTY**—Early flowering. This newest type has been developed from the late flowering American Beauty and has all of its characteristics except that it is much earlier in flowering. This makes possible a long flowering season for this splendid variety. We have the following list of colors: **Blue, Lavender, Crimson, Pink, White and Mixed colors. Pkt. 15c; ¼ oz. 40c.**

**GIANT COMET ASTERS** in White, Scarlet, Shell Pink, Dark Blue and Light Blue. We consider this the finest and largest of all Comet Asters, bearing immense, fluffy flowers 5 inches and over in diameter, as fine as any Chrysanthemum and, when cut, keep in good condition longer than any other of this type; 2 to 3 ft. **Pkt. 10c.**

**MAMMOTH LAVENDER**—A giant flowering sort, bearing clusters of beautiful purple flowers. **Pkt. 10c; ¼ oz. 40c.**

### Anemone

(Wildflower)

**GIANT FRENCH SINGLE MIXED**—This lovely flower may be grown from seeds as well as bulbs. Our seed has been saved from an extra fine strain and contains a very choice mixture of colors. The seeds may be sown in the fall or spring in the open ground. We suggest that the seed be covered lightly with sand, then spread a thin cloth over the bed and water through this. **Pkt. 15c.**

### Brownallia

(Elata)

Annual. Blooms profusely. Excellent plant for bedding or porch boxes. Flowers are bright blue and pure white. **Pkt., 10c; ¼ oz., 35c.**

### Bachelor's Button or Corn Flower

(See Centaurea)

### Blue Lace Flower

(See Didiscus Coeruleus)

### Balloon Vine

A climbing annual. The seed pods are curiously puffed, making the vine quite attractive. **Pkt., 10c; oz. 40c.**

### Balsam

(Lady's Slipper)

A tender annual growing about 12 inches high. Flowers are both single and double, in bright colors and variations. **Pkt. 10c; oz. 75c.**

### Balsam Apple

(Momordica)

A climbing annual with graceful and ornamental foliage; yellow flowers and warted golden yellow fruits. **Pkt. 10c; oz. 75c.**

### Bean Scarlet Runner

A popular climber. Flowers scarlet. **Pkt. 10c; oz. 15c.**

### California Poppy

(Golden West)

A hardy annual, growing from 1 to 1½ feet high; sowing the seed in the Fall, it blooms beautifully during the Spring. Pure yellow and mixed. **Pkt. 10c; oz. 50c.**

### Canary Bird Flower

A tender climbing annual of the Nasturtium family. Blossoms have curiously winged petals and are a light yellow. **Pkt. 10c; oz. 75c.**

### Calendula

(Pot Marigold)

A very hardy annual growing about one foot high. Plantings may be made from September 15 to April. Flowers very early and is attractive as a border plant.

**PRINCE OF ORANGE**—A deep orange. **Pkt. 10c; oz. 40c.**

**ORANGE BALLS (New)**—Bears giant flowers sometimes 3 inches in diameter. Color pure orange. This is a pure strain of seed used by florists for growing cut flowers under glass. You will find this strain of seed a wonderful improvement over the ordinary *Calendula*. Try a packet. Pkt. 15c;  $\frac{1}{4}$  oz. 35c; oz. \$1.00.

**"LEMON QUEEN"**—Double, bright sunflower yellow. This variety is equally as popular as Prince of Orange, as the blooms are fully as large. Height, 18 inches. Pkt. 10c; oz. 50c.

### Canna

(Indian Shot Perennial)

Mixture of the popular varieties, red and yellow flowers. Pkt. 10c.

### Cardinal Climber

(Quamoclit Hybrid)

Annual. A new climber of great merit, bearing a great mass of small crimson flowers. It grows to a height of 15 to 20 feet. Pkt. 25c.

### Calliopsis

(Tickseed)

If the varieties of *Calliopsis* were rare and high priced, people would rave about their beauty, but as they are so cheap and easily grown, they are often passed by unnoticed. The lovely combinations of yellow and brown are not excelled in any other plant and they have an elegance and grace all their own. Pkt. 10c; oz. 50c.

### Castor Beans

(Ricinus)

Large-leaved varieties for shade; very ornamental. Pkt. 10c; oz. 15c; lb. \$1.50.

### Candytuft

(Iberis)

A hardy annual growing from six to eight inches high, according to the variety; of easy culture and valuable for bedding or massing. Pure White, Pkt. 10c; Pink, Pkt. 10c; Scarlet, Pkt. 10c; Lavender, Pkt. 10c; Mixed Colors, Pkt. 10c, oz. 50c.

### Canterbury Bells

A hardy perennial, blooming the second year from seed, or the first year if sown early. Grows about three feet high. Mixed colors. Pkt. 10c.

### Centaurea

Annual. The popular Corn Flower is also known as "Blue Bottle," "Ragged Sailor," "Kaiserblume" and "Bachelor's Button." These are bright flowered plants of the hardiest nature and simplest culture and yet are attractive and graceful.

**CENTAUREA-CYANUS**—Double, deep rose, Pkt. 10c; oz. 40c.

**CENTAUREA-CYANUS**—Double, large, blue, Pkt. 10c; oz. 40c.

**CENTAUREA-CYANUS**—Mixed, blue, purple, white, red, pink, etc. Pkt. 10c; oz. 40c.

**CENTAUREA-IMPERIALIS** (Sweet Sultan)—Deep lavender, red, rose, white, yellow, and mixed colors. Pkt. 10c;  $\frac{1}{4}$  oz. 30c.

**DUSTY MILLER**—The leaves are a beautiful, velvety, silvery color, almost white. Fine for borders. Pkt. 10c;  $\frac{1}{4}$  oz. 45c.

### Celosia Plumosa

(Feathered Cockscombs—Annual)

**Plumosa Mixed**—A very fine selection of the popular feathered *Celosia* containing many pleasing shades of color carrying from pale yellow to the deepest crimson. Pkt. 10c.

### Chinese Woolflower

(*Celosia Childsii*—Annual)

Plants grow two to three feet high, the bloom starting early with a central head,

round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost. New Pink, Pkt. 15c; Crimson, Pkt. 15c.



### Carnation

Cover the seed lightly and protect from the sun until established, then transplant 12 to 18 inches apart, where they are to remain.

**MARGUERITE, Mixed Colors**—This assortment gives a large percentage of fine double flowers. Pkt. 15c;  $\frac{1}{4}$  oz. 50c.

White—Pkt. 15c;  $\frac{1}{4}$  oz. 50c.

### Chrysanthemum

Annual. Do not confuse these annuals with the Winter flowering sorts of the florists. They bloom profusely from early Summer until frost and when grown in large beds or masses, their bright colors make a splendid show. All are fine for cut flowers. Height 1 to  $1\frac{1}{2}$  feet.

**Finest Single Mixed—Painted Daisy**—Pkt. 10c;  $\frac{1}{4}$  oz. 50c.

**Finest Double Mixed—Coronarum**—Pkt. 10c;  $\frac{1}{4}$  oz. 50c.

**Paris Daisy—Frutescens**—Pkt. 10c;  $\frac{1}{4}$  oz. 50c.

### Cockscorb

(*Celosia Cristata*)

A half-hardy annual, growing 6 to 8 inches high, bearing a wide, wavy blossom that resembles a cock's comb. In brilliant colors; fine for massing or border work.

**Mixed**—Several shades of red and yellow. Pkt. 10c.

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## Cobea Scandens

(Cathedral Bells)

Annual. A climber of rapid growth, beautiful fine foliage and a rich purple flower borne on long stems. Pkt. 10c.

## Cosmos

Annual. A strong, tall growing annual with bold flowers of exquisite daintiness and airiness, heightened in effect by their foliage of feathery green. It is most effective when planted in broad masses or along background border against evergreens or fences. Seed should be planted in early Spring to late Fall and they will bloom within 60 to 75 days after planting.

**EXTRA EARLY MAMMOTH FLOWERING**—Mammoth Crimson, Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 75c. White Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 75c. Pink Pkt. 10c;  $\frac{1}{4}$  oz. 25c; oz. 75c.

**DOUBLE CRESTED**—Finest mixed. Pkt. 15c;  $\frac{1}{4}$  oz. 50c.

**KLONDYKE**—This is one of the finest varieties of Cosmos, producing large, golden yellow flowers, blooms all late Summer and Fall. This is one of the finest flowers for the South. Plant a big bed for cut flowers. Pkt. 15c;  $\frac{1}{4}$  oz. 50c.

## Clarkia

A hardy annual of easy culture growing about 18 inches high and bearing bright rose, white and purple flowers in great profusion; single and double mixed. Pkt. 10c.

## Coreopsis

Perennial. Grows luxuriously in any situation, affording a constant supply of richly marked flowers for cutting. Pkt. 10c.

## Columbine

(Aquilegia)

Hardy Perennial. The Columbine ranks among the most beautiful and hardy plants, and if once established in the garden, they will last many years, but should be taken up every two or three years to be replanted after dividing the clumps. Fall sown seed will bloom the following Spring. One of Arizona's own flowers.

Improved long spurred varieties, mixed. Pkt. 25c.

## Wild Cucumber

Annual. This is the quickest growing climber in our list. Grows wild, self sown, in many parts of the west. It will grow 30 feet in one season. It is thickly dotted over with pretty white, fragrant flowers, followed by an abundance of ornamental prickly seed pods. Pkt. 10c; oz. 45c.

## Cypress Vine

(Ipomoea Quamocilt)

A tender climbing annual with soft, fern-like foliage and small star-like flowers; mixed. Pkt. 10c.

## Daisies

**DOUBLE ENGLISH DAISY** (Bellis Perennis)—Seed sown in early Spring will bloom the first Summer, and continue for years if given slight protection during Winter. Should be sown in partial shade. Hardy perennial 3 to 6 inches. Pkt. 25c;  $\frac{1}{4}$  oz. 75c.

**AFRICAN DAISY** (Dimorphotheca)—Rare and very showy annuals from South Africa; having daisy-like flowers of a glossy salmon-orange shade with black central ring, a lovely color when flower is open in the sun. Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

**BLUE EYED AFRICAN DAISY**—Hardy annual, easily grown from seed. The daisy-like flowers are silvery-white with a blue eye surrounded by a narrow golden band. The under part of petals is lilac blue. Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

**SHASTA DAISY** (Alaska)—A hardy perennial, sometimes called the California Daisy, a beautiful flower with large white petals and dark centers, measuring 3 to 4 inches across. Pkt. 15c;  $\frac{1}{4}$  oz. 35c.

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**SWAN RIVER** (Brachycome)—Free flowering dwarf annuals covered during the greater part of the Summer with a profusion of pretty blue and white flowers. Suitable for edgings, 9 inches. Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

## Didiscus

(Blue Lace Flower)

Annual. Very charming outdoor or greenhouse annual. The plant grows about 18 inches high and produces attractive, umbel-shaped flowers of lace-like appearance, the color is a clear cerulean or heavenly blue. Excellent for cutting. Pkt. 10c.

## Dahlia

Annual. Grown from seed will flower the first year. Plant in the house in shallow boxes or pans. Transplant to the open ground as often as their growth requires. The seed germinates very readily. Double Mixed, Pkt. 25c.

## Delphinium

(Perennial Larkspur)

Hardy Perennial. One of our most showy and useful perennial plants, possessing almost every requisite for the adornment of the garden, producing splendid spikes of flowers in profusion throughout the season.

To prolong the season of bloom cut the old flower stems off after they have faded and new shoots will flower later in the season.

**BELLADONNA**—One of the most freely and continuously blooming varieties. Immense spikes of lovely pale blue. Height 4 feet. Pkt. 25c;  $\frac{1}{8}$  oz. \$1.25.

**GOLD MEDAL HYBRIDS**—A great variety of charming colors. Pkt. 25c;  $\frac{1}{8}$  oz. 50c.

## Dolichos

(See Hyacinth Bean)

## Digitalis

(See Fox Glove)

## Dimorphotheca

(See African Daisy)

## Dianthus

(Pinks)

Hardy annual. This satisfactory old-fashioned flower blooms in profusion all Summer long. They are hardy and grow 12 to 15 inches tall and bear marvelous brilliant and contrasting flowers, which are emphasized by stripes and dots.

**DOUBLE JAPAN MIXED**—The flowers are rich in hue, very double, deep fringed petals. Colors vary from white to rose, lilac, carmine, crimson, scarlet, purple, brown and almost black, spotted and striped. Pkt. 10c;  $\frac{1}{4}$  oz. 30c.

**SINGLE CHINA MIXED**—White and dark crimson petals, also white tipped light purple and shades of red with darker blotchings. A mixture of double pinks unsurpassed in variety of brilliant coloring and marking. Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

## Everlasting Flowers

(Straw Flowers)

See Acrolinum, Globe Amaranthus, Helichrysum, Rhodanthe, Statice and Xeranthemum. Mixed Packet, named varieties, 10c.

## Evening Primrose

(See Primula)

## Four O'Clock

(Marvel of Peru)

Hardy annual. Plants are large and require plenty of space. Flowers sweet scented, yellow or striped. Open about funnel shaped, being white, red, four o'clock in the afternoon. Plant during early Spring months. Mixed colors, Pkt. 10c.

## Forget-Me-Not

(Myosotis)

Perennial. A hardy perennial with small, blue star-like flowers borne in clusters on long stems. Will bloom the first year if sown early and does best if sown in a box and then transplanted to a cool, moist situation. Pkt. 10c.

**Flax, Scarlet**

(See Linum)

**Fox Glove**

(Digitalis)

Hardy perennial. The tall, flower-like spikes of the Fox Glove, often 2 to 3 feet, are particularly handsome when grown among shrubbery or in masses. Require some shade. Pkt. 10c; oz. 35c.

**Gaillardia**

(Blanket Flower)

Perennial. A constant bloomer from early Summer to late Fall. Flowers scarlet and orange. While it is a hardy perennial will bloom the first year from early planting. Height 1½ feet.

Grandiflora mixed Pkt., 10c; ¼ oz. 40c.

**Geranium**

(Pelargonium)

Perennial. The most popular bedding plants and for pot culture. The blooms are very brilliant and leaves are beautifully marked. Mixed double and single, Pkt. 15c.

**Gerbera**

(Jamisonii Hybrids)

Perennial. (Transvall or South African Daisy) —Dark green finely cut leaves, blooms on long stiff stems, size and shape of Shasta Daisy, but brilliant brick red color. Also hybrids which range from almost white to lemon, salmon-blush, all shades of pink and red to scarlet. Likes well drained soil and sunlight. Not affected by frost. Pkt. 25c.

**Globe Amaranth**

(Gomphrena Globoso)

An excellent everlasting or immortelle; flowers globe-shaped, purple, orange and variegated. Retain their shape and color when dried; are also good for cutting as fresh flowers. Height, 10 inches. Tender annual. Mixed, Pkt. 10c.

**Geum**

Perennial. Beautiful, hardy perennial, bearing profusely large, showy, double flowers. An elegant flower for bouquets. June and July, 12 inches high. Yellow, Pkt. 25c.

MRS. BRADSHAW — Large, double, brilliant scarlet flowers. Pkt. 15c.

**Godetia**

(Satin Flower)

A hardy annual 10 inches high, of compact growth, satiny cup-shaped flowers in deep red, pink and white; sow in October and it will bloom in the early Spring. Does well in Arizona. Pkt. 10c.

**Gourds, Mixed**

Strong climbing vines producing many odd shapes and ornamental gourds. Pkt. 10c; oz. 25c.

**Gypsophila**

(Baby's Breath)

A hardy annual of easy culture. Grows 2 to 3 feet high, and bears a profusion of small star-shaped flowers. Very fine for bouquets. Pink Gypsophila, Pkt. 10c; oz. 60c.

**Helichrysum**

(Straw Flower)

A free flowering, hardy annual, growing 4 or 5 feet high and bearing beautiful straw-like flowers in a great variety of shades and colors. Pkt. 10c.

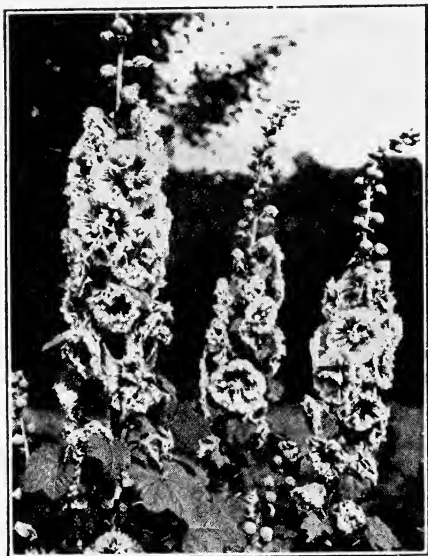
**Hibiscus**

(Marshmallow)

MALLOW MARVELS—Robust perennials, 5 to 6 feet high, bearing profusely large flowers in shades of red, rose and white. They bloom from July until October and adapt themselves to any soil or situation. Pkt. 15c.

**Hollyhocks**

These stately, old fashioned perennials are most striking when seen in groups or long rows against evergreen hedges shrubbery, etc., and in their turn form a very fine background for plants of lower growth. Red, White, Pink, Yellow. Pkt. 10c; oz. \$1.00.

**HOLLYHOCKS****Humulus**

(Japanese Hop)

A rapid growing, climbing annual with dense foliage. Will grow 20 to 30 feet in a season. Pkt. 10c; oz. 50c.

**Hyacinth Bean**

(Dolichos Lablab)

Half hardy annual. A rapid growing annual climber, flowering freely in erect racemes, flowered by ornamental seed pods. For covering arbors, trellises, etc. Plant in the Spring. Pkt. 10c; oz. 25c.

**Heliotrope**

Half hardy perennial. Its delightful perfume makes it a most desirable bouquet flower. A splendid bedding plant, or can be trained as a green house climber. Seeds started indoors in the Spring will make fine plants for Summer blooming. Mixed colors. Pkt. 10c; ⅓ oz. 50c.

**Ice Plant**

(Mesembryanthemum)

Annual. A curious plant for hanging baskets, rock work, vases and edgings; leaves and stems succulent, appearing as though covered with crystals. Pkt. 10c.

**Job's Tears**

(Colx Lachryma)

Hardy annual. Curious ornamental grass, with broad corn-like leaves and seeds of a light slate color. Valuable for winter bouquets with everlasting flowers. Strings of handsome beads are made from the seeds. 3 feet high. Pkt. 10c; oz. 15c; ¼ lb. 30c.

**Kochia Tricophylla**

(Mexican Fire Bush)

A splendid ornamental annual plant forming dense oval bushes 2 to 2½ feet high, of small light green foliage, changing to fiery red in the Fall. Planted in March it does well here. Pkt. 10c.

BUY THE BEST—WE DO

## Kudzu Vine

A new climber of great merit. This is one of the fastest growers we know of, reaching a height of 20 feet in a short time. Pkt. 10c.

## Larkspur

**DOUBLE STOCK FLOWERED LARKSPUR**—Beautiful hardy plants with noble spikes of handsome flowers. Plant in October and November. We recommend it for Southern Arizona. We have these in separate colors of Purple, Dark Blue, White, Carmine Red, Rose Pink and Mixed. Pkt. 10c; oz. 75c.

## Linum

(Scarlet Flax)

**GRADIFLORUM RUBRUM**—A hardy annual of slender and graceful appearance with fine foliage and bright red flowers. It makes beautiful beds or borders and is largely used for cut flowers. Scarlet Flax makes a fine Fall and Winter flower, blooming profusely for several months. May also be sown in the Spring. Height 1½ to 2 feet. Pkt. 10c; oz. 40c; ¼ lb. \$1.00.

**BLUE FLAX**—Pkt. 10c; oz. 40c; ¼ lb. \$1.00.

## Lobelia

Fine for bedding. Plants very compact, profusely covered with rich blue flowers. Plant in March. Pkt. 10c.

## Lupin

One of our most attractive and easiest grown flowers. The plants grow 2 to 3 feet high and have handsome spikes of flowers which are fine for cutting. If the plants are not allowed to go to seed they flower for several months in the spring. Blue, Yellow and Mixed. Pkt. 10c.

## Linaria

(Baby Snapdragon)

A pretty garden annual — sometimes called Baby Snapdragon because of its resemblance to snapdragons. They are easily grown and are exceptionally attractive as cut flowers. In this mixture are blue, rose, lavender, yellow, etc. Height 2 feet. Pkt. 10c.

## Lantana

Tender perennial growing from 2 to 3 feet high, bearing verbenalike clusters of flowers; sow seed in boxes in February and protect until after danger of frost is past, when they may be set in the open. Pkt. 10c.

## Mexican Fire Bush

(See Kochia)

## Morning Bride or Pin Cushion Flower

(See Scabiosa)

## Mignonette

(Resida Odorata)

Hardy annual growing 6 to 12 inches high, sow in the Fall or Spring. Very easily grown. Pkt. 10c; oz. 50c.

## Moon Flower

(Ipomea)

Perennial. This vine does beautifully in any part of Arizona in any position, be in sun or shade, making an enormous growth in a remarkably short time; large white flowers open in the evening. File or in some manner puncture the outer shell of the seed and soak in water 12 hours before planting. Blue or White. Pkt. 10c; oz. 75c.

## Marigold

A hardy annual in various shades. Planted after danger of frost is past, they will bloom here through the entire Summer.

**Double Tall African Mixed**—Pkt. 10c; oz. 75c.

**Dwarf French Mixed**—Pkt. 10c; oz. 75c.

**Tall French Mixed**—Pkt. 10c; oz. 75c.

BUY THE BEST—WE DO

## Morning Glory

(Convolvulus)

**TALL MIXED**—The most rapid growing vine for Spring planting. Best Mixed. Pkt. 10c; oz. 25c.

**JAPANESE FRINGED**—A large flowering variety with beautifully fringed flowers. Pkt. 10c; oz. 35c.

**DOUBLE MORNING GLORY**—A beautiful Double Morning Glory. It makes a very fast growth of rich, luxuriant foliage. Will flower about 75 per cent double. Pkt. 15c.

## Nasturtium

Hardy annual. If you have space for them you cannot have too many Nasturtiums. Easy to grow in most any soil. Plant the seed anywhere. The tall kinds are especially suited for covering fences, rockeries, trellises and the dwarf varieties especially adapted for borders. All Nasturtiums are very showy, with their brilliant colored flowers and beautifully marked leaves. In Southern Arizona plant in February and March for Spring flowers and early in the Fall in protected places.

**DWARF OR TOM-THUMB VARIETIES**

**Cloth of Gold**—Fiery red, yellow foliage.

**Empress of India**—Deep Scarlet, dark leaves.

**Ivy Leaved**—Mixed.

**Finest Mixed Dwarf.**

**TALL OR CLIMBING VARIETIES**

**Special Mixed Tall.**

Any of the above—Pkt. 10c; oz. 25c.

**"Golden Gleam"**—A new Nasturtium of semi-trailing habit. Sweet-scented and especially recommended for cut flowers. Pkt. 15c; oz. 75c.

## Nemesia

Annual. Dwarf, large flowering hybrids. A very pretty annual which does best planted in seed bed early in Spring and transplanted. The plants grow about a foot high and the orchid-like flowers are very varied in color, including rose, yellow, blue, orange, etc. Pkt. 10c.

## Nigella

(Love-in-a-mist)

This is one of our prettiest old-fashioned annuals. It will grow well even under adverse weather conditions and withstands considerable heat and drought. Fine for the border, beds or cutting. Deep rich blue. Pkt. 10c.

## Nemophila

(Baby Blue Eyes)

A hardy annual growing about 6 inches high. The blossoms are cup-shaped and the colors are blue, lavender and spotted. The seed may be sown from October to March and is very valuable for carpet bedding and borders. Pkt. 10c.

## Nicotiana or Flowering Tobacco

A half hardy annual, growing 3 feet high with slender tubular flower. Belongs to the tobacco family. Requires plenty of room in the garden. White, and very fragrant. Pkt. 10c.

## Pinks

(See Dianthus)

## Pansies

This flower with its alluring little faces and beautiful markings of brilliant and blended colors, if given a chance makes one of the most popular flowers we have and it is easily grown. Best adapted to partly moist and somewhat shaded places but for large blooms, rich soil is best.

Plant seed during the Fall months in a semi-shaded location or in flats and when large enough, transplant to where they are to bloom. The flowers should be kept picked to prolong the blooming period.

**Lord Baconfield**—Purple-violet shading to white. Pkt. 15c.

**Giant Eros**—Velvety brown edged with golden yellow. Pkt. 15c.

**Magahony Colored Shades**—Pkt. 15c.

**Pure White**—Pkt. 15c.

**Giant Yellow**—Pkt. 15c.

**Deep Purple**—Pkt. 15c.

**Indigo Blue**—Pkt. 15c.

**King of the Blacks**—Pkt. 15c.

**Trimardeau**—Giant Mixed. Pkt. 25c.

**Special Good Mixture**. Pkt. 15c; ¼ oz. \$1.00.  
**Steel's Greenhouse Special Mixture**. Pkt. 25c; ½ oz. \$1.50.

## Painted Daisy

(See Chrysanthemums)

## Passiflora

(Coerulea Grandiflora, Passion Flower)

Hardy perennial. 15 feet. Southern beauty. A beautiful vine for greenhouse and windows. Few effects are more charming than the Blue Passion Flower, covered a wall with its rich, green foliage and sky blue flowers, followed later by an abundance of handsome fruit. Pkt. 10c.

## Petunia

Annuals. Few flowers excel Petunias in brilliance and gorgeous display, especially for window-boxes, borders and solid beds. They commence flowering very early and continue their riotous production of blooms throughout the whole season until killed by frost. Easily cultivated, requiring only a good soil and sunny position. In Southern Arizona start planting in September and throughout the Winter and Spring months. Scatter the seed on an even surface and cover with a very light layer of sand and manure mulch. Thin out plants to allow sufficient room for growth.

**Giant of California**—Flowers very large, in great variety of colors and markings, with deep yellow throats. Pkt. 25c.

**Ruffled Giants**—An improved strain of California Petunias, flowers often measuring 3 to 4 inches across. Its colorings combine all shades from purest white through rose, pink, carmine and purple. Most of the flowers are brilliantly marked, veined and fringed. Pkt. 25c.

**Rosy Morn**—Soft carmine pink with white throat, makes a very dainty and at same time effective border. Pkt. 15c.

**General Dodds**—Velvety dark red, nearly black, a scarce color among Petunias. Dwarf, compact bushes. Pkt. 10c.

**Striped and Blotched**—A good strain of the small flowering type, beautifully striped and blotched flowers. Fine for massing. Pkt. 25c.

**Good Mixture**—Pkt. 10c.

## Phlox Drummondii

A hardy annual suitable for borders, bearing beautiful and brilliantly colored flowers all Spring and well into the Summer. White, crimson, pink, lilac and mixed. Pkt. 10c; oz. \$2.00.

## Poppies

(Papaver)

The different varieties of poppies are always favorites for outdoor display and the cultivation of them being so extremely simple entitles them to a place in every garden in Arizona. Seed should be sown in the Fall where the plants are intended to flower.

**CALIFORNIA**—Pure yellow and mixed. Pkt. 10c.

**CARNATION FLOWERED DOUBLE MIXED**—Choice assortment of brilliant colors. Flowers very double and well fringed. The plants grow to a height of 4 feet and bear immense carnation-like blooms 6 to 8 inches across. Annual. Pkt. 10c; oz. 50c.

**SHIRLEY ANNUAL**—The most charming poppy in cultivation. The blossoms are bright and showy and include an almost endless variety of colors, from pure white, pink, terra cotta, salmon, chamois and rosy carmine, to brilliant crimson, many of the flowers being beautifully flaked or edged with white. Pkt. 10c; oz. 40c.

**GLAUCUM (Tulip Flowered)**—Beautiful variety, producing flowers of the most vivid scarlet, effective for beds or masses. Annual. Pkt. 10c; oz. \$1.00.

**ICELAND**—Fine double mixed. Pkt. 25c; ¼ oz. 75c.

## PERENNIAL VARIETIES

**ORIENTAL**—The single large Oriental Poppy is one of the most striking of all the hardy garden plants. The tall stems, 3 feet in height, with flowers of brilliant scarlet, 6 to 8 inches across, enliven the shrubbery and dark corners in early Summer. They thrive well, either in full sun or partial shade. Pkt. 25c; ¼ oz. 75c.

**DOUBLE FLOWERED PEONY POPPY**—White, pink, cardinal mixed. Pkt. 10c; oz. 75c.

## Portulaca

Beautiful dwarf plants, bearing glossy cup-shaped flowers in brilliant colors. A wonderful Summer plant.

**SINGLE LARGE FLOWERING MIXED**—Pkt. 10c; ¼ oz. 50c.

**DOUBLE LARGE FLOWERING MIXED**—Pkt. 10c; ¼ oz. \$1.00.

## Physalis

(Chinese Lantern)

**FRANCHETTI**—Attractive and interesting perennial, flowering the first season from seed. Especially popular for its lantern-like fruits which can be cut and dried for winter use. Pkt. 10c; ¼ oz. 75c.

## Primula

(Evening Primrose)

**VULGARIS**—Perennial. English Primrose. Large rich yellow flowers, produced early in the Spring. Grows 6 to 8 inches tall, making a showy bed or border. Plant in Fall and early Spring in partial shade. Pkt. 10c.

## Pyrethrum

**AUREUM GOLDEN FEATHER**—6 inches. Hardy perennial. One of the best plants for edgings, grown for its beautiful yellow foliage. Most successfully treated as an annual. Pkt. 10c.

## Ranunculus

Perennial. Originating from a wild, large-flowered Ranunculus found in Palestine, a variety of colors, reds, yellow, orange, etc. The mixture includes singles, semi-doubles and doubles. The flowers make the plants a blaze of color. A bed of these is a remarkable sight. Pkt. 25c; ¼ oz. 75c.

## Ricinus

(See Castor Bean)

## Rhodanthe

(Everlasting Flower)

**MACULATE ROSEA**—One of the most attractive everlasting flowers. The flowers hang like little bells on the stems and make a pleasing and dainty cut flower either fresh or dried. Pkt. 10c.

## Scabiosa

(Mourning Bride or Pin Cushion Flower)

Hardy annual. One of our finest annuals for cutting, and very showy in the garden. Easily raised from seed, blooms continuously from early Summer until frost in a wide range of rich and beautiful colors. The varieties we offer are greatly improved in size and color of the flowers. In Southern Arizona plant in the Fall months, thin or transplant to about 12 inches apart, average height 2½ feet.

**Fiery Scarlet**.

**Sulphur Yellow.**

**Snow Ball**—Pure white.

**Fine Mixed Colors.**

Pkt. 10c; ¼ oz. 25c.

**SHASTA**—Pure white with immense blooms from 3 to 4 inches in diameter. The stems are exceptionally long and the variety is invaluable for cutting. Pkt. 20c; ¼ oz. 50c.

**PEACH BLOSSOM**—A lovely new shade of peach-blossom pink. The flowers are large, borne on long stems and are therefore, excellent for cutting. Pkt. 20c; ¼ oz. 50c.

BUY THE BEST—WE DO

## Scarlet Runner Bean

Annual. A variety of climbing beans having rich scarlet blooms and most useful for decorative purposes covering arbors and unsightly structures. The pods are also appreciated as an addition to the vegetable list. Pkt. 10c.

## Smilax

Tender perennial. A perennial climber with deep glossy green leaves. Pkt. 10c.

## Snapdragon

(See Antirrhinum)

## Salpiglossis

(Painted Tongue)

Highly ornamental, half hardy annual, bearing funnel-shaped flowers in striking colors. Pkt. 10c; oz. 75c.

## Sweet William

(Dianthus Barbatus)

A hardy perennial blooming the second year from seed. Grows one to two feet high and bears its flowers in clusters, at the end of a stiff stem. The individual flowers are handsomely colored and marked. It makes a beautiful bedding plant, and is of easy culture.

Single or Double Mixed—Pkt. 10c.

## Schizanthus

(Butterfly Flower)

Very beautiful and interesting annuals. This is one of the earliest annuals to raise from seed. Grows in the open where plants are to flower. Exceptionally beautiful when in full bloom and literally covered with small orchid-like flowers. Mixed—Pkt. 10c.

## Salvia Splendens

(Scarlet Sage)

A tender perennial blooming the first season from seed. Pkt. 10c.

## Statice

Annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, which are rare among everlasting, and have come to be indispensable in making winter bouquets. 1 foot high. The seed should be kept quite moist until germinated. Plant in the Fall months.

**SINUATA**—True Blue, Lavender, Rose, White and Mixed colors. Pkt. 10c; oz. 50c.

**CASPIA**—A new variety having lovely blue flowers borne in long sprays, which is much used to mix with other flowers because of its dainty, graceful effect. Is a hardy perennial blooming during the Summer and early Fall. May be dried as an everlasting flower. Pkt. 25c.

## Stocks

(Gilliflower)

Annual. Very popular flowers, easily grown and are so highly fragrant and of such beauty, that they deserve a place in every garden in the country. They are considered almost indispensable where a fine display of flowers is wanted and are particularly valued for edgings, bedding and pot-culture. The improved varieties we offer produce dense spikes of very fragrant and beautiful rosette-like double flowers in a wide range of attractive colors, grow about 24 inches high, of branching habit. Sow the seed in the Fall in open ground or flats, using well fertilized, carefully pulverized soil, covering with one-fourth inch of fine soil, firmly pressed down. Thin to 6 inches apart in rows 15 inches apart. The plants will go through the winter uninjured by frost and will bloom from early Spring well into the Summer months. In thinning out remember that the weak and delicate plants are those which usually throw the best double flowers.

**EARLY DOUBLE GIANT**—(Improved Bismark)

Imperial Blush—Apple Blossom. Pkt. 15c; 1/8 oz. 75c.

**BUY THE BEST—WE DO**

Imperial Chamoise—Ivory Tinted Rose. Pkt. 15c; 1/8 oz. 75c.

Imperial Dark Blue—Near Purple. Pkt. 15c; 1/8 oz. 75c.

Imperial Lavender—Light Lavender. Pkt. 15c; 1/8 oz. 75c.

Imperial Lilac—Dark Lavender. Pkt. 15c; 1/8 oz. 75c.

Imperial Rose—Deep Rose Pink. Pkt. 15c; 1/8 oz. 75c.

Imperial White—Pure White. Pkt. 15c; 1/8 oz. 75c.

Imperial Fair Maid—Blush Pink Suffused Salmon. Pkt. 15c; 1/8 oz. 75c.

Imperial Mixed—All colors mixed. Pkt. 15c; 1/8 oz. 75c.

## Sunflower

(Helianthus)

Annual. These are hardy annuals of easy culture. Grown in clumps or borders they are very showy.

**RED SUNFLOWER**—Many beautiful shades of red. Pkt. 10c; oz. 50c.

**RUSSIAN MAMMOTH**—Single heads measure 12 to 20 inches in diameter and often bear an immense quantity of seed, used as feed for fowls. Pkt. 10c; 1/2 lb. 15c; 1 lb. 25c.

## Sweet Peas

SPENCER OR ORCHID FLOWERING VARIETIES

Many people believe that the Spencers are nothing more than large flowering varieties and selected from the common strains of Sweet Peas. But this is not true. Our Spencer Sweet Peas are from a different and grander type—the color, curves, aroma and gigantic size attained through Spencer strains could never be found in the common grades.

You will note from description that we have selected only the very best types of separate colors, this selection having been made for us by an expert with an international reputation, and we know absolutely that they will give satisfaction and are adapted to Arizona climatic conditions.

**CULTURE**—Select your space for planting Sweet Peas in the open where the sun shines at least three-fourths of the day and where the vine may be trailed on a trellis of string or wire netting. Dig a trench about 1 foot or 18 inches deep. Put about 3 inches of well-rotted barnyard manure in the bottom of the trench, mix or sprinkle a liberal amount of manure and commercial fertilizer with the dirt that has been removed and replace it. After the soil has been settled sufficiently, open a trench in the bed about six inches deep and plant an ounce of seed to about 20 feet of row. During warm weather cover the seed from two to three inches deep and in cooler weather one inch deep is sufficient. Care must be taken during the warm weather not to rot the seed with moisture.

After planting the seed, soak the ground in the trench thoroughly and follow with a liberal sprinkling of manure or dried grass to hold the moisture and prevent the surface soil from crusting.

As soon as the plants are above the ground, thin out to 3 to 4 inches apart. When planted too close they do not attain their full development.

After the peas are up 8 to 10 inches, begin to draw the dirt to them, gradually filling the planted trench, and open another trench about ten inches from the row, or two trenches may be opened, one on each side of the row, through which to water them the rest of the season.

Frequent cultivation is very necessary and after the peas are 12 to 15 inches high a mulch of fine manure should be applied to the entire bed and gradually worked into the soil. Keep them well watered and at blooming time, the blossoms should be cut each day to insure a long blooming period.

## Giant Spencer Sweet Peas Late Flowering

### CLASSIFIED LIST

#### ORANGE AND SALMON PINK SHADES

Barbara—Bright Salmon Orange. (Requires shading. Pkt. 10c; oz. 40c.  
Hero—Brilliant clear Cerise. Pkt. 10c; oz. 40c.  
Mrs. A. Searles—Bright Salmon Cerise. Pkt. 10c; oz. 60c.

#### RED SHADES

Campfire—Very bright Flame Scarlet. Pkt. 10c; oz. 40c.  
Crimson King—Very deep Crimson. Pkt. 10c; oz. 40c.  
Doreen—Bright Rose Carmine. Pkt. 10c; oz. 40c.  
Rosabelle—Bright Rose Crimson. Pkt. 10c; oz. 40c.  
Royal Scott—Brilliant Scarlet. Pkt. 10c; oz. 40c.

#### PINK SHADES

Halmark's Pink—Very bright Pink. Pkt. 10c; oz. 40c.  
Elfrida Pearson—Light blush Pink. Pkt. 10c; oz. 40c.  
Youth—White, with clear Pink Picotee edge. Pkt. 10c; oz. 60c.  
Pinkie—Giant flowered Old Rose. Pkt. 10c; oz. 40c.

#### CREAM PINK SHADES

Miss California—Beautiful Salmon Cream Pink. Pkt. 10; oz. 40c.  
Dora—Large Rose and Cream bi-color. Pkt. 10c; oz. 40c.  
Mary Pickford—Dainty Dream Pink Suffusion of Salmon. Pkt. 10c; oz. 40c.

#### WHITE

King White—Giant pure White. Pkt. 10c; oz. 40c.  
Constance Hinton—Giant White. Pkt. 10c; oz. 40c.

#### LAVENDER AND LIGHT BLUE SHADES

Austin Frederick Improved—Finest pure Lavender. Pkt. 10c; oz. 40c.  
Chieftain—A charming light Mauve. Pkt. 10c; oz. 40c.  
Gleneagles—Large Light Blue Lavender. Pkt. 10c; oz. 40c.  
Powerscourt—Large Lavender of exquisite form. Pkt. 10c; oz. 40c.  
Masterpiece—Lavender Tinted Mauve. Pkt. 10c; oz. 40c.

#### MAROON, PURPLE AND BLUE SHADES

Mrs. Tom Jones—Large clear Blue. Pkt. 10c; oz. 40c.  
Royal Purple—Rich Royal Purple. Pkt. 10c; oz. 40c.  
The Sultan—Rich velvety Maroon. Pkt. 10c; oz. 40c.

#### PRIMROSE SHADES

Daffodil—Large, very deep Primrose. Pkt. 10c; oz. 40c.

## Sweet Peas

### LATE FLOWERING SPENCER COLLECTION

HOME GARDEN COLLECTION—Containing one packet each of the following varieties: Campfire, Crimson King, Halmark's Pink, Miss California, Mrs. Tom Jones, Powerscourt and Youth. 50c postpaid.

MEDAL OF HONOR COLLECTION—Containing ten varieties. 75c postpaid.

GRAND PRIZE COLLECTION—Containing fifteen varieties. A splendid assortment of Spencer Sweet Peas. \$1.00 postpaid.

COLLECTION SUPREME—Containing twenty-five varieties. This is an extraordinary offer. \$2.00 postpaid.

GIANT SPENCERS MIXED—This mixture contains the cream of the finest named Orchid or Spencer Sweet Peas, containing a carefully prepared mixture with just the right proportion of different colors and shades. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.50, postpaid.

**EARLY FLOWERING SPENCER MIXED**—We do not believe it is possible to get anything more perfect in quality or better in color scheme than this wonderful mixture. It is a blend of more than fifty prize-winning varieties, with just the right amount of each to insure the highest effect. Pkt. 15c; oz. 50c, postpaid.

## Early Flowering Spencer Sweet Peas

Sometimes called Winter Flowering or Christmas Flowering

These magnificent Sweet Peas are becoming more popular each year; they are from four to five weeks earlier in blooming than the late standard variety. Planted in September or October they will bloom as early as January, although they may be planted any time during the fall. The varieties selected have long stems with three or four blooms to a stem.

Early Aviator—Large Crimson. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Blue Bird—An attractive shade of blue. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Chevalier—Fine clear Rose Carmine. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Columbia—Large Pink and White. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Glitters—Bright Orange Scarlet. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Harmony—Giant Lavender. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Meadow Lark—Cream. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Mrs. Kerr—A fine shade of Salmon. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Queen Crimson—Blood Crimson. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Silver Blue—A delicate shade of Lavender Blue. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Snowstorm Improved—Cream White. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Superior Pink—Beautiful Rose Pink. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Torch—Salmon Orange. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Vulcan—A bright vivid Scarlet. Pkt. 15c; ½ oz. 35c; oz. 60c.

Early Zvolanek's Rose—Deep Rose Pink. Pkt. 15c; ½ oz. 35c; oz. 60c.

## Early Flowering Spencer Collection

COLLECTION No. 4—Collection containing one packet each of Early Harmony, Aviator, Snowstorm, Torch, Zvolanek's Rose. 50c, postpaid.

COLLECTION No. 5—Containing one packet each of Early Aviator, Columbia, Superior Pink, Glitters, Blue Bird, Silver Blue, Snowstorm, Vulcan, Zvolanek's Rose, Chevalier. \$1.00, postpaid.

## Mammoth Verbenas

A hardy perennial of trailing habit and one of the finest and best known for beds, parkings, etc. The colors are brilliant and varied and the new large flowered strains are handsome as cut flowers. The flowers are fragrant and produce freely throughout most of the year. They will stand much neglect after established. Although perennials, they will bloom the first season from the seed.

**MAMMOTH SCARLET**—The flowers are an intense fiery red, produced in great clusters, and is recommended above all others as a bedding variety. Pkt. 10c; ¼ oz. 40c.

**MAMMOTH LAVENDER**—A giant flowering sort, bearing clusters of beautiful purple flowers. Pkt. 10c; ¼ oz. 40c.

**MAMMOTH PINK**—Unexcelled for size and beauty. Pkt. 10c; ¼ oz. 40c.

**MAMMOTH WHITE**—Pkt. 10c; ¼ oz. 40c.

**MAMMOTH MIXED**—Embracing all sorts. Unsurpassed for richness of color and profusion of bloom. The very richest mixture procurable. Pkt. 10c; ¼ oz. 40c.

## Vinca Rosea

(Periwinkle)

Tender annual. Ornamental free-flowering plant which grows in bushy form and produces

**BUY THE BEST—WE DO**

round, flat disk-like flowers about 2 inches across. Sow in the Fall and Spring months. Mixed White and Pink—Pkt. 10c.

## Violet

Perennial. Hardy perennial blooming freely throughout the Spring and Autumn, of easy culture and seed may be sown out-of-doors where the plants are to remain. The violet is the emblem of modesty. Plant in shady location. Pkt. 25c.

## Violas

(Tufted Pansies)

Perennial. Height 6 inches. The plants are more hardy than pansies and of vigorous growth, forming deep-rooted compact tufted clumps. Planted in masses or lines they form perfect mats covered with myriads of flowers. Plant in shady location. Pkt. 25c; 1/8 oz. 50c.

## Wallflower

Half hardy perennial. Deliciously fragrant and combine many shades of color, the orange, purple and chocolate predominating. Double Mixed—Pkt. 10c.

## Wild Garden Flower

This is a well balanced mixture of best annuals, calculated to make a striking display. Excellent to meet the demand for odd corner mixtures. Plant in the Spring and Fall. Pkt. 10c.

## Xeranthemum

(Everlasting Flowers)

**DOUBLE MIXED**—Half hardy annual. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. Pkt. 10c.

## Plant Our Special Giant Zinnias

To produce the best in Zinnias as to size and color the plants should be thinned to at least 6 inches apart. Avoid shade, give plenty of water, and good soil and cultivation will do the rest.

In offering these giant Zinnias we have no hesitation in stating that they are the finest ever. We have actually grown flowers that measured 6½ inches across, and they were beauties too. Immense flowers of wonderful colors and with long stiff stems making them excellent for cut flowers. The Zinnia is strictly a hot weather plant and will grow and bloom the entire Summer, no matter how warm the climate. They are just the thing for Arizona climatic conditions, blooming at a time when flowers are scarce. We know you will be pleased with these, and we urge you to include them in your collection for the Summer flower garden. Begin planting in March and continue planting throughout the entire Summer.

## Giant Picotee Mixed

This Zinnia is in a class by itself. In addition to its being double and large flowered, each petal is distinctly tipped with a darker shade of the same color, making it novel and attractive. Special packet, 20c.

## Giant Victory Quilled Mixed

The flowers are very large with velvety quilled petals. The plants are vigorous and well branched. Special packet, 20c.

## Giant Butter Cups

A very pleasing shade of creamy yellow. Intermingling with other colors or by itself, it is bright and pretty. The flowers are large and double. Special packet, 25c.

## Separate Colors Double Giant Zinnia

Every flower a picture and a study by itself. You will be very proud of them. Our improved strains are absolutely the best obtainable.

**BUY THE BEST—WE DO**

Double Giant Burnt Orange.....	Pkt. 15c
Double Giant Pink Shades.....	Pkt. 15c
Double Giant Scarlet.....	Pkt. 15c
Double Giant White.....	Pkt. 15c
Double Giant Lavender.....	Pkt. 15c
Double Giant Mixed.....	Pkt. 10c

## A Wonderful Flower—New Giant Double Dahlia Flowered Zinnia

We take pleasure in offering this beautiful type of flower which shows a marked distinction over other varieties of Zinnias, producing magnificent blooms greatly resembling the large decorative Dahlia. The plants are very strong, growing from two to three feet high, producing an abundance of mammoth Double Flowers measuring from four to five inches in diameter on long stocks clear of foliage, making them very desirable as cut flowers as well as for garden decoration. Its love for the hot sunshine makes it admirably adapted to our summers. If planted in good soil in the open and given plenty of water, it will surpass any other flower for size and grandeur.

We offer the separate colors in the following varieties:



## Giant Dahlia Flowered

**EXQUISITE**—A most pleasing shade of light rose with a center of deep rose. Pkt. 25c, postpaid.

**Old Rose**—Real old rose shade. Pkt. 25c, postpaid.

**Golden State**—A very rich orange yellow. Yellow in the bud, turning to an attractive orange when in full bloom. Pkt. 25c, postpaid.

**Crimson Monarch**—By far the largest and best of all red shades. Flowers often 8 inches in diameter. Pkt. 25c, postpaid.

**Oriole**—We consider this the most beautiful of its class. It is an immense orange and gold bi-color, changing slightly as it opens. Pkt. 25c, postpaid.

**Dream**—A fine deep lavender turning to mal-low purple. 25c per pkt., postpaid.

**Polar Bear**—A very large, pure white, the best white yet seen in Zinnias. True Dahlia form. Pkt. 25c, postpaid.

**Canary Bird**—A delicate shade of primrose. Pkt. 25c, postpaid.

Mixed Colors—Pkt. 15c.

**Zinnia Collection No. 6**—One each of any five separate colors. \$1.00, postpaid.

**Zinnia Collection No. 7**—One each of the above 8 separate colors. \$1.60, postpaid.

## Gold Fish and Supplies

Listings on this page are f. o. b. Phoenix and should go by express only. In ordering Aquarium Ornaments, please state the size of your fish bowl.

### Gold Fish

Our first shipment of Gold Fish arrives about September 1, and we have a variety from that time until June 1. We can make express shipments of two or more fish. In ordering please include 35c to cover cost of container and packing.

**JAPANESE COMETS**—About three inches long. 75c each.

**STRAIGHT TAIL**—From 25c to \$1.00 each, according to size.

**FISH FOOD** contains everything that is good for Aquaria Fish.

**SPRATT'S AQUARIUM FISH FOOD**—Per Package, 15c, postpaid.

### Dip Nets

Gold Fish should not be handled with the hands. A Dip Net will handle them gently. 50c each.

### Fish Moss

This pretty and popular plant is the best known oxygen producer. Per bunch, 35c.

### Fish Castles Very Ornamental

No. 596 .....	\$ .35
No. 629 .....	.35
No. 602 .....	.35
No. 466 .....	.50
No. 575 .....	.50
No. 576 .....	.65
No. 616 .....	.75
No. 583 .....	1.25
No. 455 .....	1.00
No. 560 .....	2.50

Order by number and add 10c if wanted by parcel post.

### Fish Bowls

Made from bright, clear glass. Prices include packing for shipment.

1/4-gallon size .....	\$ .60 each
1/2-gallon size .....	1.00 each
1-gallon size .....	1.50 each
1 1/2-gallon size .....	2.50 each
2-gallon size .....	3.00 each

F. O. B. Phoenix.

### Lily Bowl

Suitable for Chinese Lily or Paper White bulbs, also as a cut flower table decoration when flower stand is used in connection. These bowls are in green finish and are very decorative. 5-inch, 40c; 6-inch, 75c; 8-inch, \$1.10; 10-inch, \$1.75c, postage or express extra.

**GLASS FLOWER HOLDER**—For any of the above bowls. Small size, 35c; medium, 50c; large size, 75c and \$1.00.

## Bird Foods, Remedies and Supplies

### Bird Foods

Prices Subject to Change

**"Dependable Grade" Bird Seed Mixture**—Our best grade, such as we feed. 1-lb. cartons, 25c; 10 lbs., bulk, \$2.00.

**Canary, Imported**—Recleaned, 1 lb., 30c; 10 lbs. \$2.00.

**Hemp, Imported**—1 lb. 25c; 10 lbs. \$2.00.

**Bird Rape**—Imported Essex. 1 lb. 25c; 10 lbs. \$2.00.

**Millet**—Large, yellow. 1 lb. 20c; 10 lbs. \$1.50.

**Sunflower Seed**—Recleaned for parrots. Lb. 25c; 10 lbs. \$1.75.

(Above prices postpaid)

## Philadelphia Bird Co. Feeds and Remedies

**Bird Bitters**—A tonic for any Cage Bird. Bottle 30c.

**Red Gravel**—All birds need gravel strewn in the bottom of the cage. Per package, postpaid, 30c.

**Silver Gravel**—30c.

**Orange Color Food**—To be fed during the moulting season. It darkens the feathers a beautiful orange color. Package 30c.

**Mite Powder**—May be used for any cage birds. Pkg. 30c.

**Moulting Pepper**—For the moulting season, 30c.

**Nesting Food**—For the baby birds, 30c.

**Merican Salve**—For swollen and sore legs, 30c.

**Cuttle Bone**—To sharpen the bill, 10c.

**Cuttle Bone Holders**—15c.

**Fish Food**—Per package, postpaid, 20c.

**Nesting Hair**—Makes a comfortable nest. 15c. Above prices postpaid.

### Bird Manna

For the basis of this preparation we are indebted to the canary breeders of the Hartz Mountains. They use a paste that keeps their birds in health and song and cures nearly all diseases. **Bird Manna** is now more widely known than any article ever prepared by bird dealers, solely upon making its merits known and having been tested. **Bird Manna** is put up in metal cases, secured by letters patent and is fastened to the cage wires, within easy reach of the bird. Price, 15c each.

### Spratt's Remedies, Bird Specialties, Etc

**Canarydyne**—An invaluable remedy in the treatment of colds and asthma. A few drops of Canarydyne given when the first symptoms of a cold are noticed usually results in a cure, 30c.

**Spratt's Pollicrackers**, 30c.

**Spratt's Parrott Tonic**, 30c.

**Spratt's Cod Liver Cage Bird Food**, 30c.

**Spratt's Bird Lice Destroyer** (Henning's) — For dusting the feathers, 30c.

**Spratt's Parrot Food**—A mixed food for parrots which should be kept before them all the time. Cartons, each, 30c.

**Spratt's Egg and Fruit Mixture**, 30c.

**Spratt's Canary Leg Bands**—Dozen, 50c.

**Defiance Mocking Bird Food**—The purest food obtainable for Mocking Birds, Robins, Nightingales, Thrushes, Black Birds, Skylarks and other soft-billed birds, per tin, 40c.

**Ant's Eggs**, 25c. **Bird Nesting Hair**, 15c.

**Bird Tonic** (large), 50c.

**Bird Tonic** (small), 30c.

**Color Food** (red), 30c.

**Color Food** (orange), 30c.

**Song Restorer**, 35c.

**Zeke** (Dried Flies), 20c.

Above prices postpaid.

### Canary Birds

Ask for our Bird Booklet

We can supply at all times good Canary Singers that are trained from King Bird Rollers. These vary in color and range in price from \$10.00 to \$25.00. We absolutely guarantee our birds and purchasers may within a reasonable length of time exchange any birds that are not satisfactory. Female Canaries, \$2.00 to \$3.00, depending on color, breed, etc.

### Canary Baths

These are of porcelain construction and will last indefinitely. Ideal for use as an open bath in a warm room. Two sizes. Opal, each, postpaid, 30c.

### Shell Feed and Water Cups

The Shell Cup can be used for either food or water. Made to fit any cage and is easily detachable. It is clean, sanitary and prevents birds from wasting food. Shell Cup in Crystal, 25c; Shell Cup in Opal, 30c, postpaid.

BUY THE BEST—WE DO

## Stand and Cages Complete

These stands and cages are ornaments for a home you will be proud of. Ranging in prices \$7.00 to \$25.00 f. o. b. Phoenix.

## Oblong Cages

For Canaries, Mocking Birds and Robins. These cages are all-metal and are thoroughly enameled, so that they are absolutely vermin-proof. They have a drawer base that may be pulled out to clean the cage. We stock three sizes. Prices:

No. 82—About 16 inches long.....\$6.50  
No. 84—About 20 inches long.....9.50

## Cage Brackets

Heavy brass, 50c. Light brass, 25c.

## Clayton's Cat Remedies

A Treatise on the Cat, Free, by George Clayton  
Blood Purifying and Cooling Tablets, for all blood diseases, mange, eczema, etc., 60c.  
Canker Lotion Tablets. For all diseases of the ear, 60c.

Cough Remedy, for Coughs, 60c.  
Diarrhoea Tablets, 60c.  
Disorders, for vomiting, 60c.  
Tablets. For influenza, 60c.  
Eye Lotion Tablets. For diseases of the eyes, 60c.

Fit Tablets. For fits, 60c.  
Laxative Tablets. Acts directly on the liver and secretions, 60c.

Mange Remedy. For all forms of skin disease. (Cannot be mailed), 75c.

Mouth Wash. For all ulcerated conditions of the mouth, 60c.

Soap—Kilflea, 35c.  
Tape Worm Expeller Tablets. Will expel the tape worm, 60c.

Tonic Catnip Condition Tablets, 60c.  
Vermifuge (liquid), 60c.  
Wash and Disinfectant. Kills fleas, disinfects, 60c.

Worm Tablets. Will expel worms, 60c.  
(Add 5c for postage on each item)

**CATNIP MICE**—Their object is to afford amusement to and benefit the health of cats. In endeavoring to catch the catnip it induces the cat to exercise. If you value Kitty's health, give it a Catnip Mouse. 15c each, postpaid.

## Clayton's Dog Remedies

Book on Dog Diseases and How to Feed, Free.

Alterative Pills, 60c.  
Bowel Constringent, 60c.  
Bowel Constringent (Tablets), 60c.  
Canker Lotion, 60c.

Canker Lotion (Tablets), 60c.  
Ceoline Dog Wash, 60c.

Ceoline Dog Soap, 25c.  
Condition Pills, with Pepsin, 60c.

Cough Syrup, 60c.  
Diuretic Tablets, 60c.

Dog Soap—Kilflea, 25c.  
Eye Lotion, 60c.

Eye Lotion (Tablets), 60c.  
Gastric Tablets, 60c.

Goitre Medicine, \$1.00.  
Hair Tonic, 60c.

Ketaraline Tablets, 60c.  
Kilflea Soap, 25c.

Kilflea Powder, 35c.  
Laxative Pills, 60c.

Mange Cure (Cannot be mailed), 75c.  
Puppy Tonic, 60c.

Sedative, An Anti-Convulsive Medicine, 60c.  
Sedative, An Anti-Convulsive Medicine (Tablets), 60c.

Shampoo, 30c.  
Sulphur Tablets, 60c.

Tape Worm Expeller, 60c.  
Vermifuge (Liquid), 60c.

Vermifuge (Soft capsules), 60c.  
Worm Pills, 60c.

(Add 5c for postage on each item)  
Delcreo Kennel Manual and List of Delcreo Dog Remedies Free. Mailed on Request.

BUY THE BEST—WE DO

**GLOVER'S MANGE MEDICINE**—Known everywhere as the standard. Bottles, 75c, not postpaid.

**GLOVER'S IMPROVED MEDICATED SOAP**—Very popular for treating the human scalp. Bar 25c, not postpaid. We carry a full line of Glover's Dog and Cat Remedies.

Write us your needs in Collars, Harness, etc., for Dogs and Cats.

## Cactus Brand Maize

### The Greatest Grain Sorghum

Cactus Brand Maize is a new distinct strain of highly selected and field rogued maize. It should be planted at the rate of 2½ to 3 pounds to the acre in drills 3 feet apart.

The common tendency is to plant too much seed per acre, therefore we urge you to follow these directions closely and obtain maximum results. Per lb. 15c; 5 lbs. 50c; 10 lbs. 70c; 50 lbs. \$3.00; 100 lbs. \$5.50. Express or postage extra.

## Cactus Brand Dwarf Milo Maize

### Field Rogued

Cactus Brand Dwarf is our new strain of Dwarf Milo Maize. This is a heavy producing highly selected strain growing waist high and very uniform, thereby making a crop which is easily harvested. By listing 3 pounds to the acre it produces large well-filled heads that give us the maximum yield we are all looking for. Per lb. 15c; 10 lbs. 75c; 50 lbs. \$3.50; 100 lbs. \$6.00. Express or postage extra. See inside front page for zone rates.

## Cactus Brand Hegari

### Grain, Forage and Silage Combined.

Our Cactus Brand Hegari is carefully grown, selected and reselected for seed. Hegari is one of the most reliable and profitable crops for the arid Southwest.

The cost of planting Cactus Brand Hegari is very small, and taking yield into consideration, it would be expensive to plant any other. Per lb. 15c; 5 lbs. 50c; 10 lbs. 70c; 50 lbs. \$3.00; 100 lbs. \$5.00. Postage or express extra. See inside front cover for zone rates.

**HONEY DRIP SORGHUM**—This is a variety that is most popular as a syrup cane. It requires about 10 pounds of seed to the acre planted in this manner, or 40 broadcast. Price: Lb. 25c; 10 lbs. \$2.00, postpaid. Ask for quantity price.

**TEXAS SEEDED RIBBON**—Another of the sweet sorghums and one very commonly used for syrup. The seed we have is the crookneck strain. Lb. 25c; 10 lbs. \$2.00, postpaid. Ask for quantity price.

**EARLY AMBER**—The most popular variety for hay and pasture purposes. Lbs. 20c; 10 lbs. \$1.75; postpaid. Write for quantity price.

## Grass Seeds

**SUNDAN GRASS**—For pasture or hay. It is relished by all stock and as a milk producer has few equals. Broadcast it requires 30 pounds of seed to sow an acre. Our seed is produced outside the Johnson Grass belt and is first-class in every respect. Per lb. 25c; 10 lbs. \$2.00, postpaid. Ask for quantity price.

**RHODES GRASS**—An Australian grass which grows readily on sandy or light soils. Grows thickly, producing from 5 to 10 tons of fine quality hay. It is very palatable to stock, easy eradicated when desired and very highly recommended by farmers who have grown it. Lb. 75c; 10 lbs. \$6.50, postpaid.

**BROME GRASS**—(Bromis Inermis)—A wonderful drought resistant grass. It has proven an excellent pasture grass for general range purposes. Lb. 35c; 10 lbs. \$2.50, postpaid. Write for quantity price.

**RED TOP PASTURE GRASS**—Another pasture grass for the higher altitudes. Succeeds on all soils from moist to swampy land, making a permanent pasture, and furnishing a highly nutritious feed. Hulled seed. Sow 15 pounds per acre. Lb. 60c; 10 lbs. \$5.50, postpaid. Write for quantity price.

## Cactus Brand Alfalfa Seed

Superior to All Others.

Quantity Prices and Samples on Request.

**CHILIAN OR COMMON ALFALFA**—This variety has been grown in Arizona for years and is too well known to require description. Fifteen pounds is usually sufficient to plant an acre. If planted in the fall, September and October are the best months for planting, and February and March the best months for spring planting. Write for prices.

**HAIRY PERUVIAN ALFALFA**—Possesses all the good qualities of other alfalfa and in addition is a very heavy producer. The stems are covered with a hairy-like growth from which it gets its name. This growth, it is claimed, protects the stem in frosty weather, thereby making possible a continued growth very late in the season and an early growth in the spring. Write for prices.

## Black-Eyed Peas

This variety does exceptionally well in this section. They are easy to grow and produce dry peas and more vines than any other variety. Makes valuable hay crop and cannot be excelled for turning under for fertilizer. Price: Lb. 25c; 10 lbs. \$1.75, postpaid.

## Pink Beans or Frijoles

This is a common commercial bean of the Southwest. More of this variety is handled on the markets in Arizona than all other varieties together. It is very drought-resistant, yields heavily, and is the best variety that can be grown under irrigation in this state. Plant 25 to 30 pounds to the acre. Price: Lb. 25c; 10 lbs. \$1.75, postpaid. Write for quantity prices.

## Sweet Clover

(Melilotus Alba)

Or White Blossom Sweet Clover.

Sweet Clover is used for hay, pasture and green manure as well as fertilizer and renovating worn-out and alkaline soils. It may be killed when desired by mowing when in bloom. Sow in the Spring or Fall at the rate of 20 to 25 pounds to the acre. Scarified Seed, per lb. 30c; 10 lbs. \$2.50, postpaid. Write for quantity prices.

## Melilotus Indica

(Sour Clover)

A Clover Native to the Salt River Valley. Melilotus Indica is the best legume with which to build up your soil. It is easily plowed under and very rich as a fertilizer. As a cover crop in citrus groves it has no equal. We offer only the best quality, thoroughly re-cleaned and scarified seed. Per lb. 15c; 10 lbs. \$1.25, postpaid. Write for quantity prices.

**MILCELLANEOUS FIELD SEEDS**—Quantity prices and samples on request.

## Insecticides and Poisons

Poisons Cannot Be Sent by Mail

**POISON MIXTURES**—We will furnish on request formulas for any mixtures desired in combating insects and plant diseases. Write us fully regarding any difficulty you may be having and we will give you expert advice.

**GRASS HOPPER POISON MASH**—1 lb. Paris Green or 1 1/4 lbs. White Arsenic; 2 quarts molasses (cheap Black Strap); 3 ounces Amyl Acetate; 4 gallons water; 25 lbs. bran.

Stir the Paris Green or arsenic and molasses first; then add Amyl Acetate to the liquid. Next slowly pour this mixture over the bran and stir until an even mixture is secured.

We are headquarters for any of the above ingredients.

**WHITE ARSENIC**—Used principally for making poison mash bait for grasshopper infestations. Price: Lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.75; 25 lbs. \$3.75, f. o. b. Phoenix. Cannot be mailed.

**NICO DUST**—It is an extremely fine dust, and has greater power of penetration than the liquid spray. It gives off a strong nicotine gas

or vapor which kills insects even when none of the dust actually reaches them. It is made especially to exterminate insects such as cabbage aphids, melon aphids, grape leaf hoppers, onion thrip, citrus thrip, and all plant lice. **Nico Dust** is made in three strengths. Order by number and specify what pest you wish to combat.

**Nico Dust No. 8**—8% Black Leaf 40. 5 lbs. \$1.90; 25 lbs. \$6.50; 50 lbs. \$12.00; 100 lbs. \$22.50.

**Nico Dust No. 6** contains 6% Black Leaf 40. 5-lb. pkg. \$1.75; 25-lb. steel drum, \$5.50; 100-lb. drum, \$18.00.

**Nico Dust No. 10** contains 10% Black Leaf 40; very effective. 5-lb. pkg. \$2.15; 25-lb. drum, \$7.00; 100-lb. drum, 25.00.

Above prices all f. o. b. Phoenix.

Insecticide Poisons Cannot be Sent by Mail.

**NICO GARDEN DUST**—Put up especially for the family garden for use on vegetables, small fruits, rose bushes, all vines and flowers, where there is a variety of pests to contend with, such as aphids, leaf hopper, red spider, etc. with sifter top, 50c.

**ARSENATE OF LEAD**—The most effective of all insecticides for spraying purposes. Especially adapted for use on tender plants and foliage. Lb. can, 50c; 4-lb. pkg. \$1.40.

**FISH OIL SOAP**—When used in connection with nicotine solutions it better enables the spray to stick to the foliage. Lb. 25c; 10 lbs. \$2.00.

**BORDEAUX MIXTURE**—In powdered form, mixes perfectly with cold water. For peach, tomato and potato blight and all fungus diseases. Prevents and cures mildew on roses, peas, beans, grapes, etc.

**Directions:** Use seven to nine pounds to 50 gallons of water. Or seven to eight tablespoonfuls to one gallon of water. 1 lb. 50c; 4 lbs. \$1.50. Write for quantity price. Cannot be sent by mail.

**EVERGREEN**—Kills Ants and Garden Insects—A non-poisonous spray. Can be mailed. Evergreen is recommended for use against both sucking and chewing insects such as plant lice, cabbage worms, cut worms, thrip, cucumber beetle, rose chafer, red spider, mealy bugs, etc. It is harmless to humans, animals and birds and kills only insects. 1 1/2 oz. makes 9 gals., 35c; 6 oz. makes 38 gals. spray, \$1.00; 16 oz. makes 100 gals. spray, \$2.00.

**PARIS GREEN**—The old reliable destroyer of all chewing insects, such as potato bugs, codling moth caterpillars, etc. 1/4 lb. 25c; 1/2 lb. 40c; 1 lb. 55c; 5 lbs. \$2.25.

**GAPHER BANE**—A very effective poisoned grain for gophers, field mice, etc. Pkg. 50c.

**SULPHUR** (Powdered)—Lb. 15c; 10 lbs. \$1.25.

**TABACCO DUST**—For green and black fly, plant lice, etc. Apply when foliage is moist. Lb. 25c.

**SADIUM FLUOCILICATE**—1 lb. 40c; 5 lbs. \$1.75, f. o. b. Phoenix. Cannot be mailed.

Write us for information on insect pests.

**DRY LIME SULPHUR**—1-lb. can 35c; 5-lb. can \$1.50.

## Inoculator

**McQUEEN'S INOCULATOR**—McQueen's Inoculator has a marvelous record because it is field bred and farm grown, making it virile and ready to go. It makes poor land good—good land rich. It is "Nature's easy way" of enriching the soil and making greater crops—Not only of legumes but of the following crops. McQueen's Inoculator is backed up by so strong a guarantee. This is your protection. You are the judge of results.

**Attractive Prices:** For Soy Beans, Cow Peas, Vetch and other peas and beans:

1-bushel size	\$ .50
2-bushel size	1.00
3 2-bushel size	2.50
6 2-bushel size	5.00
10 2-bushel size	7.50

BUY THE BEST—WE DO

## For Clover and Alfalfa

1/2-bushel size	.....	\$ .50
1-bushel size	.....	1.00
6 1-bushel size	.....	5.00
10 1-bushel size	.....	7.50

Postpaid.

Garden size, peas, sweet peas, beans and lima beans, 20c, postpaid.

Always state kind of seed you wish to include.

**SEMESAN**—A seed, plant and soil disinfectant. It will successfully prevent or control diseases of seeds without in the least impairing their vitality, but on the other hand, generally increases germination, invigorates seedling growth, and develops sturdier plants. Semesan will also prevent or control the "Brown Patch" of lawns, the "Damping-off" of seedlings and cuttings and certain soil borne diseases. Treatment can be made in dust or liquid form. 2-oz. tin, 50c; 8-oz. tin, \$1.60; 1-lb. tin, \$2.75; 5-lb. tin, \$13.00; cannot be mailed.

**SEMESAN BEL**—Applied to whole or cut seed potatoes, either as a dry powder or in liquid form, Semesan Bel will prevent or control the common seedborne potato diseases. Also very effective in treatment of Gladoli and other bulbs, and produces healthier plants. 1-lb. tin, \$1.75; 5-lb. tin, \$8.00; cannot be mailed.

Write for Semesan literature.

**CYANOGAS** is very effective in destroying ants, gophers and grape leaf hoppers. Full directions for its various uses with each can. Try it!

In dust or granular form, used extensively for killing ants. Very effective and economical. 1-lb. Pkg. 75c; 5-lb. Can \$2.50; 25-lb. Drum, \$8.50; 100-lb. Drum \$21.00. F. O. B. Phoenix. Cannot be mailed.

## Fertilizers

**LOMA**—The all around fertilizer for Flowers, Lawns, Shrubs, Plants and Vegetables.

One tablespoonful to hill of potatoes, tomatoes or ordinary rose bush means abundant flowers, crisp and early vegetables.

A teaspoonful for 6 to 8-inch potted plants. Ferns love it.

1-lb. pkg. 25c; 5 lbs. in box 75c; 10 lbs. \$1.25; 50 lbs. \$4.00; 100 lbs. \$7.00. Postage extra.

We also recommend fertilizers listed below, which are not mixed and known as simples:

Prices f. o. b. Phoenix.

**FISH MEAL**—100 lbs. \$6.00; 50 lbs. \$3.25; 25 lbs. \$2.00; 5 lbs. 50c.

**NITRATE OF SODA**—Contains about 15 per cent nitrogen. It is a very quick acting fertilizer and best applied after plants are growing. Successfully used in forcing large flowers and beautiful green foliage. Apply in liquid form at the rate of 1/4 oz. to 1 gallon of water. Lb. 15c; 10 lbs. 75c.

**BONE MEAL FERTILIZER**—Lb. 10c; 5 lbs. 35c; 10 lbs. 60c; 100 lbs. \$5.00.

**BLOOD MEAL**, Pure Dried Blood—Lb. 15c; 5 lbs. 50c; 10 lbs. 85c; 25 lbs. \$2.00; 100 lbs. \$6.50.

**GYPSEUM**—A very high grade material, useful for correcting black alkali, loosening the heaviness of adobe and other heavy soils. 10 lbs. 50c; 25 lbs. 75c; 50 lbs. \$1.25; 100 lbs. \$2.00.

**HYDRATED LIME**—Lb. 10c; 5 lbs. 30c; 10 lbs. 50c.

## Stim-U-Plant

Growers of fine flowers, shrubs and vegetables for the best markets and for exhibition, fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for this purpose is Stim-U-plant, an odorless, highly concentrated plant food, in tablet form, with guaranteed chemicals analysis of 11% nitrogen; 12% phosphoric acid; 15% potash. The proportions are accurate, there is no watered filler, and in this form you apply plant food exactly when and where and as needed. Order Stim-U-plant tablets with your seed and plant order. Trial size, 15c; small size, 25c; 100 tablets, 75c.

**BUY THE BEST—WE DO**

## Germaco Hotkaps

To Protect Crops From Frost

11-inch, per thousand, \$10.00; per 5-thousand, \$9.50; per 25-thousand, \$9.00.

"HOTKAP" SETTERS—Weight 2 lbs. packed, each, \$2.25.

"HOTKAP" CARRIERS—Weight 3 1/2 pounds packed, each, \$2.75.

(Not postpaid)

## GLASSINE FLAT PAPER PLANT COVERS

—An inexpensive and economical plant protection. 15x16, weight 15 lbs. 3 oz., per thousand, \$3.50; 16x18, weight 17 lbs., per thousand, \$4.00.

**RAFFIA**—Natural 1 lb. 45c; 10 lbs. \$4.00; 100 lbs. 35c lb., f. o. b. Phoenix.

## Gopher Traps

**McCABEE TRAPS**—Made of heavy wire and spring, each 25c, doz. \$2.75.

## Moe's Garden Trowels

**No. 80 GARDEN TROWEL**—One-piece pressed steel. Handsomely finished in black baked enamel. Length of blade, 6 inches. Ground and polished points. Each 40c, postpaid.

## Moe's Transplanting Trowels

**No. 81, TRANSPLANTING TROWEL**—One-piece pressed steel. Handsomely finished in black and baked enamel. Length of blade, 6 inches. Width 1 1/4 inches. Ground and polished points. Each 40c, postpaid.

## Moe's Steel Garden Weeders

**No. 82—GARDEN WEEDER**—One-piece black baked enamel. Has five steel fingers, and is one of the most useful and handiest garden tools made. Ground and polished points. Each 35c, postpaid.

## Spray Pumps

**PERFECTION PUMP**—This is one of the best all-purpose pumps made. Hundreds of them are in use in the Salt River Valley for garden spraying, whitewashing, coop disinfecting and many other things. It is equipped with four feet of hose and a three-foot extension rod with angle or straight nozzle. Price \$8.50, f. o. b. Phoenix.

**"MODUC" BUCKET PUMP**—This pump is equipped with 3 feet of 1/2-inch five-ply pressure spray hose attached with clamps. This pump will throw a straight stream, handle whitewash and other liquids with the same nozzle, by simply turning the disc in nozzle. Guaranteed to have a larger capacity than any similar pump. Price each, \$5.00, f. o. b. Phoenix.

**FOG NOZZLE**—For use on the Perfection or any power pump. As its name indicates, it produces a fog spray; 1/4-inch connection. Angle or straight. Each \$1.00, postpaid.

**HUDSON JUNIOR PUMP**—The Hudson Junior Pump is unsurpassed for the backyard garden. It is light enough for a boy or girl to handle, yet strong and sturdy enough for any man. Can also be fitted with an extension rod when spraying low lying crops and to facilitate reaching the tops of fruit trees, bushes, etc. Galvanized tank, 17 in. long, 6 1/2 in. diameter; capacity 2 1/2 gallons. Weight 9 pounds. Price, \$6.00 each, f. o. b. Phoenix.

**CONTINUOUS ATOMIZER**—This pump operates continuously on the up and down stroke and throws a fine, misty spray. Will handle all solutions of insecticides. Capacity 1 quart. Galvanized tank. 85c each, by parcel post 10c extra.

**NO. 4 BARREL PUMP**—This pump is made to fit in a barrel and has ample capacity for two lines of hose. May be put on a sled or wagon. We suggest 20 feet of hose for each line of Fog Nozzles. Complete with hose, extension rods, shut-off and nozzle, ready for use, \$19.00, f. o. b. Phoenix.

## Peerless Dusters

Bluebird Duster, one-row ..... \$15.00

Peerless Two-Row Duster ..... 22.50

B. A. Peerless with Beetle Attachment .... 25.00

All F. O. B. Phoenix.

## Bush Roses

If wanted by mail, add 10c per bush for postage and packing. Express shipments will allow for more packing around the roots and we suggest having them expressed rather than mailed.

Our roses are field grown, budded and own root stock, and are usually ready for shipment by January 15. We list here those varieties which have proven most successful under our soil and climatic conditions.

In setting out roses a hole should be dug at least one foot in depth and 15 inches wide for each plant; the roots should be carefully spread out and covered with fine soil; manure should never be placed in actual contact with the roots, but near at hand, within reach of the new feeding roots when growth begins. The remaining soil should then be packed in firmly, the surface leveled and covered with about three inches of pulverized manure and straw. In selecting your varieties, please add to the order a few supplementary varieties lest by previous orders the stock of any particular one should be exhausted.

**SPECIAL NOTICE—Important** — Place your orders for Roses early in the season, as certain varieties become scarce as the season advances owing to the popular demand.

Please state in your order if it will be satisfactory with you to substitute varieties if we cannot supply what you order. If you fail to state "no substitution," we will use our best judgment in selecting varieties for you, or if you want only the varieties you order, we reserve the right to refund the money sent if our supply is exhausted.

## Rose Collection

- No. 0—5 of the 50c Bush Roses for .....\$2.25
- No. 1—5 of the 75c Bush Roses for ..... 3.00
- No. 2—10 of the 75c Bush Roses for ..... 6.25
- No. 3—5 of the 75c Climbing Roses for ..... 3.00
- No. 4—10 of the 75c Climbing Roses for ..... 6.25
- No. 5—20 assorted Bush and Climbers for.....11.00

Postage Extra.

**BELLE SIEBRECHT** — Bright deep pink. Each 75c.

**LA FRANCE**—Delicate silvery rose changing to silvery pink. Each 50c.

**JONKHEER J. L. MOCK, H. T.**—A deep imperial pink in color. Each 75c.

**PREMIER H. T.**—In the entire range of dark pink roses, there is none handsomer than this fine variety. A deep rose pink. Each 75c.

**AMERICAN BEAUTY**—Large blooms of rosy-carmine. Each 60c.

**GOLDEN EMBLEM**—Golden yellow. Each 75c.

**GRUSS AN TEPLITZ** — Brightest scarlet-crimson. Each 60c.

**HADLEY**—Deep velvety crimson. Each 75c.

**HOOSIER BEAUTY**—Highly colored red rose. Each 75c.

**KAISERIN AUGUSTA VICTORIA** — Pure white. Each 65c.

**LADY BATTERSEA**—Unusual coloring, rich-cherry red shading to rose pink. Each 75c.

**LADY HILLINGDON** — Most dependable of yellow roses. Each 75c.

**LOS ANGELES** — Glorious rich flame-pink, shaded golden-yellow. Each 65c.

**MAMAN COCHET** — Carmine pink, shaded with salmon-yellow. Each 50c.

**PAUL NEYRON**—The largest rose in cultivation; a deep rose-pink. Each 75c.

**SOUVENIR DE CLAUDIUS PERNET** — The yellowest of all roses. Each 75c.

**SUNBURST**—Deep yellow, with orange-yellow center. Each 65c.

**MME. ABEL CHATENAY**—A beautiful rose-pink, shaded salmon. Each 75c.

**MME. CAROLINE TESTOUT**—Clear, bright, satiny pink. Each 75c.

**BULRICH BRUNNER** — Great big blooms of cherry-red. Each 50c.

**GENERAL MCARTHUR**—A brilliant scarlet. Each 50c.

**GENERAL JACQUEMINOT**—Bright shining crimson. Each 50c.

**EDWARD MAWLEY**—Velvet crimson. Each 65c.

**ETOILE DE FRANCE**—Clear velvety crimson. Each 65c.

**FRAU KARL DRUSCHKI**—The white American Beauty. Each 75c.

**OPHELIA H. T.**—Color is salmon flesh, shaded with rose. Each 75c.

**MARY PICKFORD** — A rich golden orange, shading to yellow at the outer edge. Each 75c.

**GOLDEN OPHELIA**—Deep golden yellow. Each 75c.

**ROSE MARIE**—The ideal pink garden rose. Each 75c.

**SENSATION** — Great large buds of scarlet crimson. Each 75c.

**RADIANCE** — A lovely light silvery pink. Each 50c.

**RED RADIANCE** — Bold cerise-red flowers. Each 50c.

**MRS. CHARLES RUSSELL**—One of the finest pink roses. Each 75c.

**LADY ASHTOWN**—Beautiful shade of rose pink. Each 75c.

## Climbing Roses

**CLIMBING BELLE SIEBRECHT**—Brilliant rich, deep pink. Each 75c.

**CLIMBING CAROLINE TESTOUT** — Satiny pink. Each 75c.

**CLIMBING COCHET**—White. Each 75c.

**CLIMBING DOROTHY PERKINS**—Shell-pink flowers. Each 50c.

**CLIMBING GOLDEN EMBLEM**—Golden yellow tinted crimson. Each \$1.00.

**CLIMBING GENERAL MCARTHUR**—Bright scarlet crimson shade. Each 65c.

**CLIMBING ROSE MARIE**—One of the finest pink climbers. Each 75c.

**CLIMBING SILVER MOON**—Blooms of pure white. Each 75c.

**CLIMBING SUNBURST**—Deep cadmium yellow, with orange yellow center. Each 75c.

**PAUL'S SCARLET CLIMBER**—Intense vivid scarlet. Each 65c.

**CLIMBING HADLEY**—Deep crimson. Each 75c.

**CLIMBING KAISERIN AUGUSTA VICTORIA**—A white climbing rose. Each 75c.

**CLIMBING MAMAN COCHET** — Clear rich pink. Each 75c.

**CLIMBING AMERICAN BEAUTY**—Each 65c.

**CLIMBING PINK CECILE BRUNNER**—Color same as the bush. Each 75c.

**CLIMBING HOOSIER BEAUTY**—Deep crimson. Each 75c.

**CLIMBING ETOILE DE FRANCE**—Very vigorous. Always in flower throughout the heat of summer and undoubtedly the best hot-climate climber on the list. Each 75c.

**MARECHAL NIEL**—Beautiful golden-yellow. Each 75c.

**CLIMBING PAPA GONTIER**—Rosy-crimson. Each 75c.

## Deciduous and Evergreen Shrubs

We recommend shipment by express. Include postage if wanted by Parcel Post.

**ALTHEA (Rose of Sharon)**—These are the most beautiful shrubs we have to offer. They bear flowers in great profusion and bloom freely from June to frost, when scarcely any other shrub is in bloom. Each \$1.00 and \$1.50.

**EUONYMUS Japonicus** — An evergreen of dense, upright growth; leaves dark, lustrous green. Very effective, and of easy culture. Balled. Each 75c and \$1.50.

**SPIREA VAN HOUTTEI (Bridal Wreath)**—Charming garden shrub of moderate size. White flowers are borne in great profusion in the spring. Each 75c and \$1.00.

**BUDDLEIA**—"Summer Lilac." A fast growing, spreading shrub; remarkable for the long panicles of fragrant rose-purple flowers borne in great profusion in the late summer. In gallon containers. Each 75c.

**COTONEASTER**—The foliage is a soft gray-green, and the under sides of the leaves have a silvery color. White flowers in spring fol-

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lowed by great masses of dull silvery red berries, which remain all fall and winter. Fast growing and of graceful loose habit. In gallon containers. **Each 75c.**

**EUONYMUS Japonica**—A useful ornamental with green glossy foliage, standing heat and cold, and easy to grow. Can be used as a spreading plant in a group planting or against the house. When trimmed it makes a wonderful compact plant for tubs. Also used for hedges. Particularly fine for Arizona. In gallon containers. **Each 75c.**

**LANTANA**—Orange, scarlet, yellow and pink and white. **Each 75c.**

**SPANISH BROOM**—A strong, fast growing shrub with many slender, bright green branches almost devoid of leaves. Bears almost continuously, large, pea-like bright yellow flowers very sweetly scented. Hardy, heat loving and drouth resistant. Gallon containers. **Each 75c and \$1.00.**

**CRAPE MYRTLE**—One of the best summer flowering shrubs or small trees. Gallon containers. **Each \$1.00.**

**JAPANESE PRIVET**—A large shrub or small tree with leathery dark green glossy leaves and white flowers; the best tall hedge plant. Very hardy and drouth resistant. In gallon containers. **Each 75c.**

**PRIVET, California**—Best of all hedge plants, with shining green foliage. 1 year old, **Each, 20c; doz. \$2.00; 100, \$10.00; 2 year old, each, 25c; doz., \$2.50; 100, \$15.00; 3 year old, each, 35c; doz., \$3.00; 100, \$20.00.**

**ROMAN MYRTLE**—Valuable for either single specimens or small hedge. Succeeds well in hot dry situations. Gallon containers. **Each 65c.**

**BURNING BUSH**—An evergreen shrub of spreading habit; clusters of white flowers in the spring. Gallon containers. **Each 75c.**

**OLEANDER**—This is a well known and popular flowering shrub which does well in our climate. We have the best varieties, both double and single, in red, white and pink. **Each \$1.00 to \$2.50.**

**POMEGRANATE, Flowering**—Very handsome shrub with shining green leaves and large, double, red or white flowers. **Each 75c and \$1.00.**

**DWARF EVERGREEN POMEGRANATE**—India. 3 feet. A miniature evergreen Pomegranate with fresh green foliage, many bright scarlet flowers, and small crimson fruits. Gallon containers. **Each 65c.**

**BOTTLE BRUSH**—The beauty of these plants lies in their long red anthers, which, projecting along the stem, form a cylindrical flower similar in shape to a bottle brush. Hardy and of rapid growth, thriving even in alkali soil. Gallon containers, 2 to 3 feet. **Each \$1.00.**

**BERCKMAN'S DWARF EVER-GOLDEN ARBORVITAE**—6 feet. Of dwarf habit, compact and symmetrical, almost globular as it gets older. All the branchlets are tipped with a bright golden tint, which is held all through the year. Can be used as a porch plant in tubs for a limited time and then planted out. Make excellent lawn specimens. This is possibly the most popular variety in our entire list of conifers. Balled, 2½ to 3 feet, **\$4.00; 2 to 2½ feet, \$3.00.**

**PAMPAS GRASS**—White. Forms a large clump of grass-like leaves, surmounted by great silvery white plumes which last for a long time. 5-gallon containers, **\$2.50; gallon containers, \$1.00.**

**YUCCA, Pendula**—"Spanish Bayonet. Gallon containers. **Each \$1.50.**

**JAPANESE PITTSPOREUM**—A medium sized evergreen shrub. It is a wide spreading, dense, round headed shrub with deep, glossy, green foliage, and is excellent for planting in a mixed border, for massing against the house or wall, and also will make a fine large hedge. In the winter it is covered with small fragrant white flowers resembling orange blossoms. Gallon containers. **Each 95c.**

**PLUMBAGO, Capensis**—A tall growing, drooping shrub that is covered practically the entire year with sky blue flowers; does best in a sunny position. **Each 75c.**

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## Vines and Trailers

F. O. B. Phoenix.

**BIGNONIA Tweediana**—A yellow trumpet vine with many long slender shoots, clinging to any surface and making a dense mat of foliage. Excellent for Arizona. Gallon containers. **Each 75c.**

**ENGLISH IVY**—Too well known to need description; nothing is better for a permanent covering of green. Gallon containers. **Each \$1.00.**

**HONEYSUCKLE**—"Hall's Japan." Evergreen, vigorous climber; flowers white, changing to yellow; delightfully fragrant; it enjoys warm weather. In gallon containers, **75c.**

**FICUS repens**—"Creeping Fig." The best evergreen vine for covering stone, brick or wood, making a close mat of foliage which clings to any surface. Small heart-shaped leaves. Very hardy, thriving anywhere. In gallon containers. **Each 95c.**

**ANTIGONON leptopus**—"Queen's Wreath." A conspicuous showy climber which is a mass of rosy red flowers from early spring to late autumn. Heavy frosts kill it down, but it sprouts again in the spring. 2-year plants, **\$1.00; 4-inch pots, 75c.**

**JASMINE primulinum**—"Primrose Jasmine." A very excellent yellow flowering vine, blooming profusely in the summer and very strong growing. Gallon containers. **Each 75c.**

**VIRGINIA CREEPER or AMERICAN IVY**—An attractive, self-clinging vine; very quick of growth and foliage changing from dark green to autumnal colors in fall. Gallon containers. **Each 75c.**

**YELLOW JASMINE**—Green year around, fragrant blossoms in spring. **Each 75s to \$1.50.**

## Palms and Grasses

F. O. B. Phoenix

**PHOENIX CANARIENSIS**—"Ornamental Date Palm." In 5 gallon containers, **Each \$2.50.**

**WASHINGTONIA filifera**—"California Fan Palm." **Each 75c.**

**PAMPAS GRASS**—White. In 5-gallon containers. **Each \$2.50.**

## Citrus and Deciduous Fruit Trees

If wanted in quantities of 10 or more of a kind, ask for prices, submitting list for quotation.

**IMPORTANT**—Quotations on plants, trees and shrubs are all free on board cars, packed for shipment, Phoenix, Arizona, and freight or express at purchaser's expense, where not otherwise quoted. No plants sent out C. O. D.

**FRUIT TREES**—Handling bare root stock. Plant your trees and vines as soon after receiving them as possible.

Do NOT allow the roots to dry out. Dig the hole large enough to take the roots without crowding them. Set the tree and fill in enough to hold the tree upright, then put on enough water to settle the soil about the roots; when it is soaked up, fill up the hole, make a basin about the tree and water every 10 days or two weeks. Prune the tree back to a single stem 20 to 36 inches.

When setting out balled trees do not remove the burlap, as to remove it may crack the ball dirt around the roots and injure them. Set the tree in the hole and fill in almost two-thirds of the soil, then cut the top string of the burlap and throw in the remainder of the soil. Make a shallow basin around the tree which fill with water to settle the earth around the roots. Use no fertilizer at time of planting, this may be applied after the tree gets established and is growing.

## Grapefruit

**MARSH SEEDLESS**—Fruit of good size, rich and piquant. Tree compact and vigorous growing. **Each \$3.00.**

## Oranges

**WASHINGTON NAVAL**—Seedless. This is the most popular variety of orange in Arizona. Ripens December to April. **Each \$3.00 to \$5.00.**

**VALENCIA**—Next in popularity to the Washington Navel. As the Navel season closes, the Valencia season begins and lasts through the summer and fall months. Ripens May to October. Each \$3.00 to \$5.00.

**TANGERINES**—Dancey. Orange red skin. Pulp highly flavored and of the best quality. Ripens February to May. Each \$4.00.

### Lemons

**EUREKA**—This is the leading variety. Fruit uniform and of medium size. Finest variety for shipping. Each \$3.00.

### Peaches—Freestone

Prices—75c each, \$7.00 per 10

**ELBERTA**—Large yellow with red cheeks. Unexcelled for table use. Ripens in August.

**FOSTER**—Fruit large yellow, red on cheek, flesh yellow, very rich. Ripens in July.

**SALWAY**—Equal to Elberta in size and flavor. One of the best for Arizona. Ripens in September.

**J. H. HALE**—The experiments of the past several years have demonstrated that this is a profitable variety for the peach grower. It is a freestone of large size—Elberta type, bears well and commands high price. Ripens with Elberta. August.

**EARLY CRAWFORD**—Has all the good qualities of the Late Crawford. Ripens in August and September.

### Peaches—Cling

Prices—85c each, \$8.00 per 10

**PHILLIPS CLING**—Fine large yellow, flesh firm and yellow to pit. Ripens in September.

**WHITE HEATH**—Very large, white with light shade of red. Ripens in September.

### Apples

Prices—75c each, \$7.00 per 10

**DELICIOUS**—A magnificent new variety of fine appearance and delightful flavor; brilliant red; of large size, rather conical in form.

**RED ASTRACHAN**—Large deep crimson, flesh white, crisp, juicy, rather acid. Ripens July and August.

**WHITE WINTER PEARMAN**—Commercial winter variety. Pale yellow, with yellowish crisp flesh; juicy, with a fine sub-acid flavor. Ripens in November.

**TRANSCENDANT CRAB**—A large golden yellow with rich crimson tint. Ripens in September.

### Apricots

Prices—75c each, \$7.00 per 10

**NEW CASTLE**—Medium size, round, fine flavor, a good shipper. One of the best early varieties. Ripens June 1st.

**MOOR PARK**—Large greenish yellow, shading to red on sunny side. Fruit is of highest quality. Excellent as a combination shade and fruit tree. Ripens in August.

**ROYAL**—Medium size, skin dull yellow, slightly tinged with red. Excellent for canning and drying. Ripens in July.

### Plums

Price 75c each, \$7.00 per 10

**BURBANK**—Fruit large, round, red. Flesh yellow. Ripens in July.

**CLIMAX**—Very early. The leader in shipping plums. Ripens in June.

**SATSUMA**—Medium to large, skin dark red, with thin bloom of lilac shade. Flesh dark blood red. Ripens in August.

**WICKSON**—Very large, heart shape, deep red, flesh, firm, juicy. Excellent shipper. Ripens in early August.

**BEAUTY**—Precedes the Santa Rosa by ten days. Fruit large and beautiful, crimson with amber-crimson flesh. June.

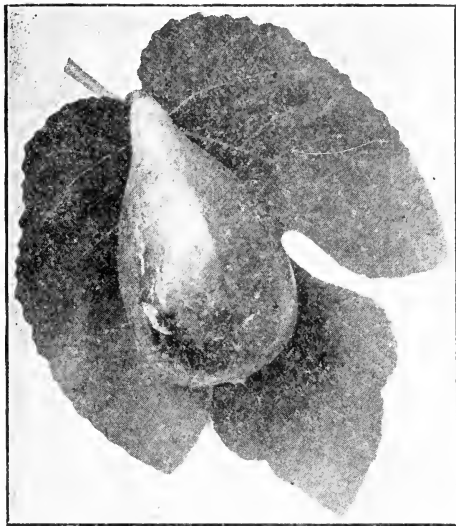
**SANTA ROSA**—Dark purplish crimson fruit, flesh pale amber near the skin. Good for shipping or for home use. Ripens in July.

### Figs

Price: 3 to 4-fs. Trees—\$1.00; 5 to 6-ft.

Trees—\$1.50

**MISSION BLACK**—Of strong growth and very productive. Best commercial variety.



**BLACK MISSION**

**WHITE KODOTA**—Skin greenish yellow, pulp red.

### Pears

Prices 75c each, \$7.00 per 10

**BARTLETT**—Golden yellow. Very juicy and with a fine flavor. Ripens in August.

**WINTER BARTLETT**—Large, smooth yellow with bluish; tender, juicy and melting.

**KEIFER**—Rich yellow, sprinkled with small dots and often tinged with red. Flesh white, buttery and juicy. Pick in November and ripen in the dark.

**WINTER NELLIS**—Medium size, skin yellowish green and russet. Flesh yellowish white; a splendid keeper and shipper. Pick in November and ripen in the dark.

### Quince

Price 75c each, \$7.00 per 10

**ORANGE QUINCE**—Large bright golden yellow of excellent flavor. Cooks tender. Valuable for preserves or flavoring. Ripens in September and October.

### Almonds

Price 85c each, \$8.00 per 10

**NONPAREIL**—One of the paper shell type with large whole kernels. Tree of a weeping habit of growth and very ornamental. A remarkably heavy and regular bearer.

### Olives

5-8 to 3-4, \$1.50; \$14.00 per 10.

3-4 to 1-inch, \$3.00 each; \$27.50 per 10

By express only.

**MANZANILLO**—Purplish black, 1 inch long. Produces oil or green or ripe pickles of the highest grade. Ripens in October.

**MISSION**—Fruit medium to large. Gets black. Succeeds well under all circumstances. Ripens late.

### Prunes

Price 75c each, \$7.00 per 10

**FRENCH PRUNE**—Medium sweet, oval; skin purplish; flesh rich and very sweet. The variety most extensively used for drying.

**SUGAR PRUNE**—Fruit very large; skin tender; dark purple covered with white bloom; flesh yellow, tender and sugary.

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## Pomegranate

Each 75c, \$6.50 for 10

**WONDERFUL**—New variety. Large; highly colored; pulp richly colored, of good flavor; very fine. Ripens late.

## Grapes

Each 25c; \$2.50 per dozen

**THOMPSON SEEDLESS**—Ripens in August.  
**MUSCAT**—White. A raisin or wine grape of richest flavor.

**MISSION**—Ripens in September.

**ROSE OF PERU**—Very large, round, black.

**TOKAY**—Pale red.

**BLACK CORNICHON**—Skin thick and dark

**BLACK HAMBURG**—MALAGA—ZINFANDEL

—Wine Grape.

**BLACK MANACKA.**

## Paper Shell Pecans

Good flavor, nuts large, shell thin. Quality good and heavy bearers.

**SUCCESS, STEWART, SCHLEY, BURNETT and KINCAID**—Price, budded, by express only: 3 to 4 ft. \$2.75; 4 to 5 ft. \$3.00.

## Small Fruits

**DEWBERRY**—Each 20c; Doz. \$2.00; 100 \$9.00.

**LOGANBERRY**—Each 20c; Doz. \$2.00; 100 \$9.00.

**BLACKBERRY**—Each 15c; Doz. \$1.50; 100 \$8.00.

Price list of Native Trees and Shrubs on request.

## Deciduous Shade Trees

Prices on all Shade Trees f. o. b. Phoenix, unless priced below.

5 to 6 feet, Straight (Whips)	.....\$ .75
5 to 6 ft. Branched	..... 1.00
6 to 7 ft. Nicely Branched	..... 1.50
6 to 7 ft. Well Branched	..... 2.00
7 to 8 ft. Well Branched—Extra Good	..... 3.00
10 to 12 ft. Well Branched—Very Best	..... 4.00

All well balanced trees, and sure to please you. Write for quantity prices.

**THORNER COTTONWOOD**—75 ft. A splendid fast growing large shade tree for Arizona and the inland arid sections. Very large leaves, clean white bark, no bothersome "cotton," losing its leaves late in the fall and budding out early in spring.

**TEXAS UMBRELLA.** 30 ft. A splendid shade tree and one of the most useful for planting where dense shade is desired. Umbrella shaped, of dense growth and uniform habit, bearing numerous small lilac-colored flowers during the summer.

**KINGMAN**—(Fruitless Mulberry). 30 ft. A good strong growing, dense shade tree, but without fruit, thus avoiding the staining of walks under the tree. Extremely rapid in growth and one of the best shade or street trees for Arizona and other dry arid climates. Budded trees, each \$2.00.

**POPLAR, CAROLINA**—An upright growing tree with pyramidal head; very large, glossy, deep green leaves. A rapid grower and a very popular variety for street planting.

**LOCUST, BLACK**—This is a quick growing, hardy tree, which blooms freely during the spring months. Very suitable for this section of the country.

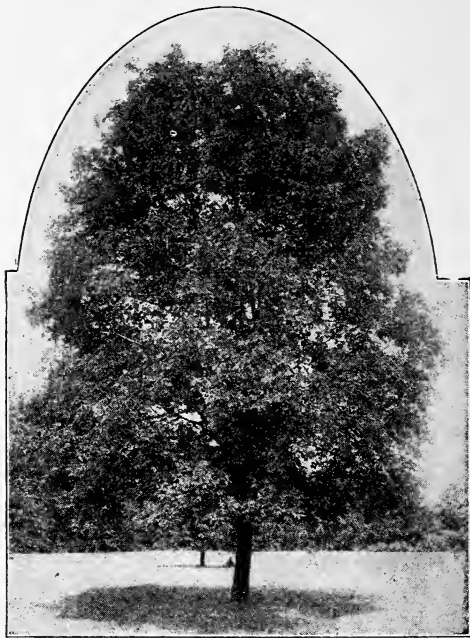
**MULBERRY, RUSSIAN**—This is the best Mulberry for shade. Has large leaves, a spreading head, is very hardy and quick growing. Very drought resistant.

**WEeping WILLOW**—40 ft. The well known picturesque "Weeping Willow." Large spreading top and long pendulous branches. Thrives in wet or dry soils. 8 to 10 ft., \$1.50.

**U. PUMILA**—"Chinese Elm." 40 ft. A fast growing tree which does well anywhere in the dry interior section, adapting itself to extremes of heat, cold, drought and alkali.

**ARIZONA ASH**—Handsome clean trunked tree with light green foliage. Will do well on

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ARIZONA ASH

most any soil for Southern California; undoubtedly one of the best deciduous trees.

## Evergreen Trees

**ITALIAN CYPRESS**—60 ft. A tall slender tree with erect branches, having a pillar or columnar effect. A useful subject for gateways, arches, tall borders, etc. Our trees are the true narrow type, grown from cuttings. Gal. \$1.00; 5 to 6 ft. \$4.50.

**CYPRESS, Arizona**—Splendid native ornamental tree of pyramidal habit. Never damaged by frost. Foliage bluish green. \$1.00 to \$3.50.

**EUCALYPTUS, rudis (Desert Gum)**—This is the most used variety and very valuable for arid regions; in fact, it is unsurpassed by any other variety for withstanding heat, cold or wind. Attains a height of 100 feet. 75c, \$1.00 and \$1.50 each.

**EUCALYPTUS, rostrata**—120 ft. A rapid grower that endures much heat, severe frost and considerable drought. Widely planted as a forest cover, windbreak and shade tree. Gal. containers, 3 to 4 ft., 75c.

**PEPPER TREE**—One of the most attractive trees we have. It often grows to a height of 50 feet. The drooping, feathery foliage makes it one of the most beautiful of ornamental shade trees. 1-year old, \$1.00; 2-year, \$1.50.

**STERCULIA DIVERSIFOLIA (Bottle Tree)**—Makes a fine street tree, being pyramidal in growth with glossy green leaves which are of diverse form. Gallon can, \$1.00 each; 5-gallon can, 5-6 ft., each, \$3.00.

**ST. JOHN'S BREAD OR CAROB**—40 ft. Admirably adapted as a tree for ornamental street planting, or as single specimens. Beautiful trees may be seen in many places in Southern California and its symmetrical shape and dense, glossy, evergreen foliage, the same throughout the year, are fast making the Carob one of the most desired street trees. It is long lived, deep rooted, does not become too large or straggly, and is a most satisfactory, permanent tree. Gallon containers, 3 to 4 ft., \$1.00.

# PLANTING CHART

Kind of Vegetable	Seeds or Roots Required for 100 feet of Drill	One Acre	Distances for Plants to Stand			Depth of Planting	Ready for Use After Planting—About
			Rows Apart		Plants Apart In Rows		
			Horse Cultivation	Hand Cultivation			
Asparagus, seed	1 ounce	5 lbs.	20 to 36 in.	1 to 2 ft.	3 in.	1 in.	2 years
"    "    " roots	30 to 80 roots		3 to 5 ft.	12 to 24 in.	15 to 20 in.	3 to 5 in.	1 year
Beans, dwarf	1½ lbs.	80 to 125 lbs.	30 to 36 in.	18 to 24 in.	2 in.	1 to 3 in.	42 to 75 days
Beans, pole	½ lb.	40 lbs.	3 to 4 ft.	3 to 4 ft.	12 in.	1 to 3 in.	72 to 90 days
Beets	2 ounces	6 lbs.	28 to 36 in.	12 to 18 in.	2 in.	1 in.	45 to 60 days
Brussels Sprouts	3 pkts.	2 ounces	30 to 36 in.	24 to 30 in.	16 to 24 in.	½ in.	100 to 120 days
Cabbage, early	3 pkts.	½ lb.	30 to 36 in.	24 to 30 in.	12 to 18 in.	½ in.	90 to 110 days
"    "    " late	3 pkts.	½ lb.	30 to 40 in.	24 to 36 in.	16 to 24 in.	½ in.	110 to 120 days
Carrot	1 ounce	1 lbs.	30 to 36 in.	18 to 24 in.	2 in.	½ in.	55 to 80 days
Cauliflower	3 pkts.	1 ounce	30 to 36 in.	24 to 30 in.	14 to 18 in.	½ in.	120 to 150 days
Collards	3 pkts.	½ lb.	30 to 36 in.	24 to 30 in.	14 to 18 in.	½ in.	100 to 120 days
Corn, sweet	½ lb.	10 lbs.	36 to 42 in.	30 to 36 in.	18 in.	1 in.	55 to 90 days
Cress, water	4 pkts.		Broadcast			Under water	60 to 70 days
Cucumber	½ ounce	2 lbs.	1 to 6 ft.	4 to 6 ft.	1 every 3 ft.	1 in.	50 to 70 days
Eggplant	2 pkts.	½ lb.	30 to 36 in.	24 to 30 in.	18 in.	½ in.	125 to 140 days
Endive	1 ounce	2 lbs.	30 in.	18 in.	12 in.	½ in.	100 days
Horse Radish	70 roots		30 to 40 in.	24 to 30 in.	20 in.	3 to 4 in.	1 year
Kale, or Borecole	3 pkts.	1 lb.	30 to 36 in.	18 to 24 in.	18 in.	½ in.	55 to 60 days
Kohl-rabi	3 pkts.	1 lb.	30 to 36 in.	18 to 24 in.	6 in.	½ in.	55 to 70 days
Leek	½ ounce	4 lbs.	50 to 36 in.	14 to 20 in.	4 in.	½ in.	120 to 150 days
Lettuce	½ ounce	2 lbs.	30 in.	12 to 18 in.	5 in.	½ in.	70 to 90 days
Muskmelon	½ ounce	2 lbs.	5 to 8 ft.	6 to 8 ft.	4 every 4 ft.	1 in.	85 to 150 days
Watermelon	1 ounce	3 lbs.	8 to 12 ft.	8 to 12 ft.	4 every 6 ft.	1 in.	100 to 130 days
Mustard	3 pkts.	1 lb.	30 to 36 in.	12 to 18 in.	4 or 5 to ft.	½ in.	60 to 90 days
New Zealand Spinach	1 ounce	8 lbs.	7 in.	24 to 36 in.	12 in.	1 to 2 in.	60 to 100 days
Okra	2 ounces	3 lbs.	4 to 5 ft.	3 to 4 ft.	24 in.	1 in.	90 to 140 days
Onion, seed	1 ounce	3 lbs.	24 to 36 in.	12 to 18 in.	2 in.	½ in.	125 to 150 days
Onion, sets	1 qt. of sets	50 lbs.	24 to 36 in.	12 to 18 in.	4 or 5 to ft.	1 in.	100 days
Parsley	3 pkts.	3 lbs.	24 to 36 in.	12 to 18 in.	3 in.	1-8 in.	65 to 90 days
Parsnip	½ ounce	3 lbs.	30 to 36 in.	18 to 24 in.	2 in.	½ in.	130 days
Peas	1 lb.	60 lbs.	3 to 4 ft.	30 to 36 in.	1 in.	1 in.	45 to 75 days
Pepper	2 pkts.	2 ounces	30 to 36 in.	18 to 24 in.	15 in.	½ in.	130 to 150 days
Potatoes, Irish	5 lbs.	16 bu.	30 to 36 in.	24 to 36 in.	14 in.	4 in.	90 to 150 days
"    "    " Sweet	3 lbs. (or 75 slips)		3 to 5 ft.	3 to 5 ft.	14 in.	3 in.	150 days
Pumpkin	½ ounce	4 lbs.	8 to 12 ft.	8 to 12 ft.	4 every 6 ft.	1 in.	75 to 90 days
Radish	1 ounce	10 lbs.	24 to 36 in.	12 to 18 in.	1 in.	½ in.	20 to 75 days
Rhubarb, seed	½ ounce		36 in.	30 to 36 in.	5 in.	½ to 1 in.	3 years
"    "    " roots	33 roots		3 to 5 ft.	3 to 5 ft.	3 ft.	2 to 3 in.	1 year
Ruta-baga	½ pkts.	2 lbs.	30 to 36 in.	18 to 24 in.	5 in.	½ to 1 in.	90 days
Salsify	1 ounce	8 lbs.	30 to 36 in.	18 to 24 in.	2 in.	½ in.	150 days
Spinach	1 ounce	12 lbs. sown broadcast	30 to 36 in.	12 to 18 in.	2 in.	1 in.	45 days is min.
Squash, Summer	½ ounce	4 lbs.	3 to 4 ft.	3 to 4 ft.	1 every 4 ft.	1 in.	65 to 70 days
Tomato	2 pkts.	½ ounces	3 to 5 ft.	3 to 4 ft.	3 to 4 ft.	½ in.	125 to 150 days
Turnip	1 ounce	1 lb. sown broadcast	24 to 36 in.	18 to 24 in.	2 in.	½ in.	45 to 90 days
		3 lbs.					

## NUMBER OF PLANTS TO AN ACRE

SET AT REGULAR DISTANCES APART

Distance apart	No. Plants	Distance apart	No. Plants	Distance apart	No. Plants
3 in. by 4 in.	522,720	3 ft. by 3 ft.	4,840	5 ft. by 5 ft.	1,742
4 in. by 4 in.	392,040	3½ ft. by 3½ ft.	3,555	5½ ft. by 5½ ft.	1,440
6 in. by 6 in.	174,240	4 ft. by 1 ft.	10,890	6 ft. by 6 ft.	1,200
1 ft. by 1 ft.	43,560	4 ft. by 2 ft.	3,630	6½ ft. by 6½ ft.	1,031
1½ ft. by 1½ ft.	19,360	4 ft. by 4 ft.	2,722	7 ft. by 7 ft.	888
2 ft. by 1 ft.	21,780	4½ ft. by 4½ ft.	2,150	8 ft. by 8 ft.	680
2 ft. by 2 ft.	10,890	5 ft. by 1 ft.	8,712	9 ft. by 9 ft.	537
2½ ft. by 2½ ft.	6,960	5 ft. by 2 ft.	4,356	10 ft. by 10 ft.	435
3 ft. by 1 ft.	14,520	5 ft. by 3 ft.	3,904	11 ft. by 11 ft.	360
3 ft. by 2 ft.	7,260	5 ft. by 4 ft.	2,178	12 ft. by 12 ft.	302

**RULE**—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill; which divided into the number of square feet (43,560) will give the number of plants to the acre.

# Ready Reference Planting Calendar

Since the climatic conditions of Arizona vary to a great extent it would be impossible to formulate a table covering the entire state, therefore we cover here conditions in the Salt River Valley and Southern Arizona, elevations to 3000 feet. Elevations to 4000 feet, two to four weeks later.

## JANUARY

**VEGETABLE SEEDS** — Asparagus, Beets, Cabbage Plants, Carrots, Cauliflower Plants, Celery, Collards, Endive, Kale, Kohlrabi, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Potatoes, Radishes, Rhubarb Roots, Spinach, Turnips, Bermuda Grass, Blue Grass, Rye Grass, White Clover, Strawberry Plants.

**FLOWER SEEDS**—Bachelor Button, Calendula, Candytuft, Carnation, Cosmos, Coreopsis, Double Daisy, Gaillardia, Larkspur, Moon Vine, Mignonette, Petunia, Pinks, Shasta Daisy, Sweet Alyssum, Sweet Peas, Verbena.

**BULBS**—Amaryllis, Canna, Calla Lily, Chinese Lily, Crocus, Daffodils, Freesias, Gladiolus, Jonquils, Hyacinths, Lily of the Valley, Narcissus, Oxalis, Paper White Narcissus, Tulips, White Madonna Lily, Ranunculus, Tuberoses.

**FIELD SEEDS**—Alfalfa, Barley, Oats, Rye, Wheat.

## FEBRUARY

**VEGETABLE SEEDS** — Asparagus Roots, Beets, Cabbage Plants, Carrots, Celery, Collards, Cress, Endive, Kale, Kohlrabi, Lettuce, Mustard, Okra, Onion Sets, Parsley, Parsnips, Peas, Peppers in Hot Beds, Irish Potatoes, Sweet Potatoes, Tubers in Beds, Radish, Rhubarb Roots, Salsify, Squash, Tomatoes, Turnips.

**FLOWER SEEDS** — Asters, African Daisy, Bachelor Button, Balsam, Calendula, Carnation, Candytuft, Cosmos, Cockscumb, Evening Primrose, Four-O'clocks, Forget-Me-Nots, Gaillardia, Helichrysum, Kochia, Lantana, Larkspur, Lobelia, Marigold, Moon Vine, Morning Glory, Other Vine Seed, Nasturtium, Petunia, Pinks, Scarlet Flax, Shasta Daisy, Sweet Alyssum, Sweet Peas, Sweet Sultan, Verbena.

**BULBS**—Amaryllis, Caladium, Canna, Calla Lily, Chinese Lily, Gladiolus, Hyacinths, Madeira Vine, Tuberoses.

**FIELD SEEDS**—Alfalfa, Barley, Oats, Wheat. Set out Fruit Trees and Rose Bushes.

## MARCH

**VEGETABLE SEEDS** — Asparagus Roots, Beans, Beets, Carrots, Celery, Collards, Corn, Cress, Cucumbers, Egg Plant, Endive, Kale, Kohlrabi, Leek, Lettuce, Melons, Mustard, Okra, Onion Sets, Peas, Pepper, Peanuts, Irish Potatoes, Sweet Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Tomato Seed, Tomato Plants.

**FLOWER SEEDS**—All Vine Seeds, Balsam, Cockscumb, Cosmos, Four-O'clocks, Gaillardia, Helichrysum, Kochia, Larkspur, Lantana, Marigold, Morning Glory, Nasturtium, Petunia, Portulaca, Scarlet Flax, Sweet Alyssum, Verbena, Zinnia.

**BULBS**—Canna, Caladium, Gladiolus, Madeira Vine, Tuberoses.

**FIELD SEEDS**—Alfalfa, Sweet Clover. Set out Fruit Trees and Rose Bushes.

## APRIL

**VEGETABLE SEEDS** — Asparagus Roots, Beans, Beets, Celery, Corn, Cucumbers, Egg Plant, Endive, Kale, Kohlrabi, Leek, Melons, Okra, Peanuts, Peas, Irish Potatoes in high altitudes, Sweet Potatoes, Sweet Potato Plants, Radish, Squash, Tomato Plants.

**FLOWER SEEDS**—African Marigold, Cosmos, Gaillardia, Hollyhocks, Morning Glory, All Vine Seeds, Portulaca, Zinnia.

**BULBS**—Gladiolus, Canna, Tuberoses.

**FIELD SEEDS**—Corn, Cowpeas, Feterita, Kaffir Corn, Millet, Milo Maize, Hegari, Sorghum, Sudan Grass.

## MAY AND JUNE

**VEGETABLE SEEDS** — Beet, Kale, Melons, Peanuts, Sweet Potatoe Plants, Squash.

**FLOWER SEEDS**—African Marigold, Cosmos, Morning Glory, Portulaca, Vine Seed, Zinnia.

**FIELD SEEDS** — Cowpeas, Feterita, Kaffir Corn, Millet, Milo Maize, Hegari, Sorghums, Sudan Grass.

## JULY

**VEGETABLE SEEDS** — Brussels Sprouts, Cabbage Seed, and Cauliflower Seed in Shaded bed, Casaba, Corn, Peanuts, Pumpkin, Squash.

**FLOWER SEEDS**—Cosmos, Portulaca, Morning Glory, Vine Seed, Zinnia.

**FIELD SEEDS**—Bermuda Grass, Corn, Cowpeas, Feterita, Kaffir Corn, Millet, Milo Maize, Pink Beans, Sorghums, Sudan Grass.

## AUGUST

**VEGETABLE SEEDS** — Beans, Beets, Cabbage, Carrots, Cauliflower, Corn, Cucumber, Kale, Pumpkin, Squash, Turnips.

**FLOWER SEEDS** — Christmas Flowering Sweet Peas, Cosmos, Phlox, Portulaca, Zinnia.

**FIELD SEEDS**—Bermuda Grass, Corn. Cowpeas, Millet, Pink Beans to August 10, Sudan Grass.

## SEPTEMBER

**VEGETABLE SEEDS** — Beans, Beets, Cabbage, Carrots, Cauliflower, Collards, Corn, Cress, Cucumbers, Herbs, Kale, Kohlrabi, Leek, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Peas, Radish, Spinach, Turnips.

**FLOWER SEEDS**—African Daisy, Ageratum, Bachelor Button, Calendula, Candytuft, Carnation, Christmas Flowering Sweet Peas, Cosmos, Hollyhocks, Mignonette, Nasturtium, Pansies, Phlox, Pinks, Poppies, Scarlet Flax, Stocks, Sweet Alyssum, Sweet Sultan, Sweet William, Verbena, Zinnia.

**FIELD SEEDS**—Alfalfa, Canadian Field Peas.

## OCTOBER

**VEGETABLE SEEDS**—Beet, Cabbage Plants, Carrots, Cauliflower, Celery, Collards, Cress, Endive, Garlic Sets, Herbs, Kale, Kohlrabi, Leek, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Radish, Salsify, Spinach, Turnips.

**FLOWER SEEDS**—African Daisy, Calendula, Candytuft, Carnation, Centaurea, Clarkia, Coreopsis, Daisies, Globe Amaranth, Gaillardia, Hollyhocks, Larkspur, Mignonette, Moon Vine, Nicotiana, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Scabiosa, Stocks, Sweet Alyssum, Sweet William, Sweet Peas, Verbena.

**BULBS**—Amaryllis, Calla Lily, Chinese Lily, Crocus, Daffodils, Freesias, Gladiolus, Hyacinths, Jonquils, Lily of the Valley, Narcissus, Oxalis, Paper White Narcissus, Ranunculus, Tulips, White Madonna Lily.

**FIELD SEEDS**—Alfalfa, Barley, Oats, Winter Rye, Wheat.

## NOVEMBER AND DECEMBER

**VEGETABLE SEEDS**—Beet, Cabbage Plants, Carrots, Cauliflower Plants, Endive, Garlic Sets, Kale, Lettuce, Mustard, Onion Seed, Onion Sets, Parsley, Parsnips, Peas, Radish, Spinach, Turnips.

**FLOWER SEEDS**—African Daisy, Calendula, Candytuft, Carnation, Centaurea, Clarkia, Coreopsis, Daisies, Globe Amaranth, Gaillardia, Hollyhock, Larkspur, Mignonette, Moon Vine, Nicotiana, Nigella, Pansy, Petunia, Phlox, Pinks, Poppies, Scabiosa, Stocks, Sweet Peas, Verbena.

**BULBS**—Amaryllis, Calla Lily, Chinese Lily, Crocus, Daffodils, Freesias, Gladiolus, Hyacinths, Jonquils, Lily of the Valley, Narcissus, Oxalis, Paper White Narcissus, Ranunculus, Tulips, White Madonna Lily.

**FIELD SEEDS**—Alfalfa, Barley, Oats, Wheat, Winter Rye.